

Basic Data
Relating to
the National
Institutes of
Health

U.S. DEPARTMENT
OF HEALTH AND
HUMAN SERVICES
Public Health Service
National Institutes
of Health



NIH DATA BOOK 1993

GRANTS

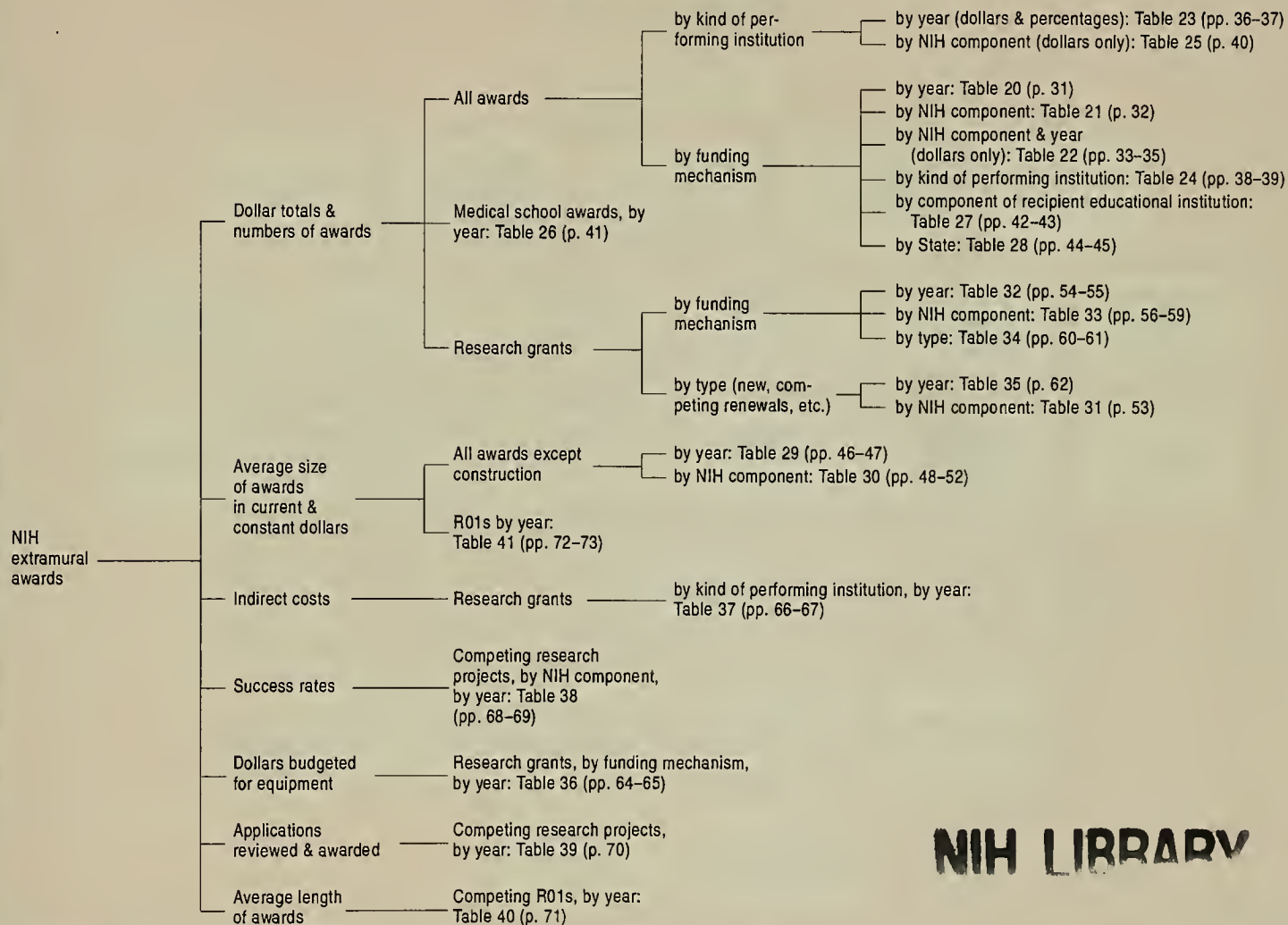
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Table Finder Key

Health-related R&D support	National	- compared to total health costs & total R&D: Table 1 (p. 1) - by source or performer, by year: Table 2 (p. 2) - by source & performer: Table 3 (p. 4)
	Federal	by source or performer, by year: Table 4 (pp. 5-6)
Basic research support		by year: Table 5 (p. 7)
Morbidity & mortality data	Morbidity	- selected chronic conditions: Table 49 (pp. 90-92) - selected acute conditions: Table 48 (pp. 88-89)
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	AIDS	- adults and adolescents: Table 50 (p. 93) - children under 13: Table 51 (p. 95)
NIH Clinical Center		Patient data: Table 45 (p. 83)
NIH technology transfer services		CRADAs, patents, licenses, and royalties, by year: Table 6 (p. 8)
NIH appropriations	by year	by NIH component: Table 7 (pp. 10-11)
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NIH research training		by program & function/mechanism: Table 9 (pp. 14-19)
	by NIH component	- for selected disease areas: Table 11 (p. 21) - for FCCSET initiatives: Table 12 (p. 22) - for HIV and AIDS, by functional category: Table 17 (p. 28) - for international programs, by activity: Table 13 (p. 23)
	Training grants & fellowships	- number of appointments in training programs, by year: Table 43 (pp. 76-77) - number of FFTP, by year: Table 44 (pp. 79-81)
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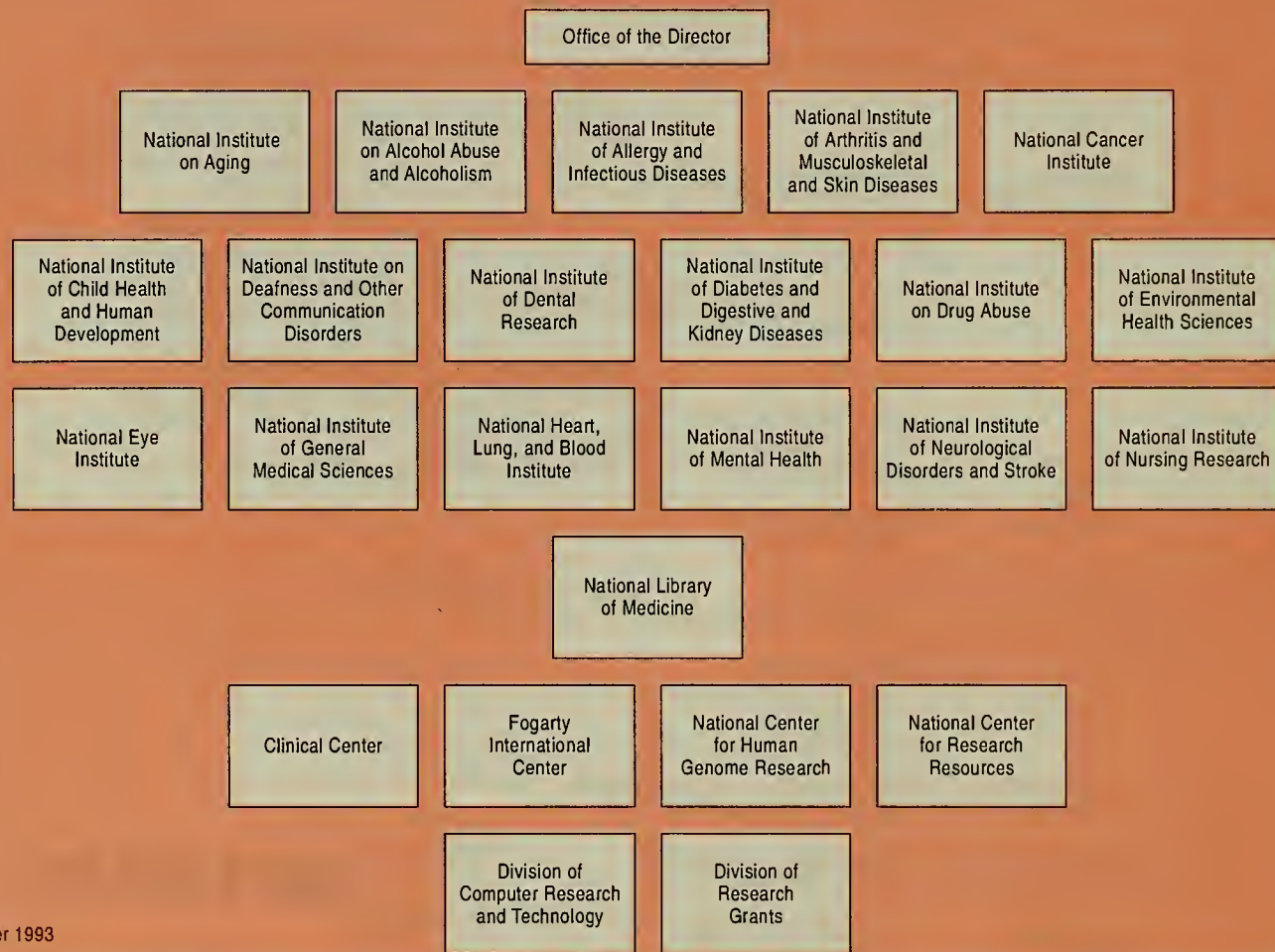
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Table Finder Key (Cont.)



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September 1, 1993

TO: Users of the *NIH Data Book*

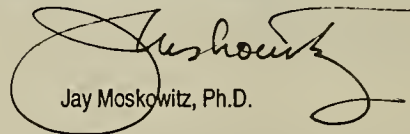
FROM: Deputy Director for Science Policy and Technology Transfer

SUBJECT: *NIH Data Book* (Basic Data Relating to the National Institutes of Health), 1993

The Office of Science Policy and Technology Transfer, with the invaluable assistance of the NIH Division of Research Grants, and data supplied by other NIH and Federal offices, has again compiled the *NIH Data Book*. Since 1961, the *Data Book* has been published annually as a ready source of financial information on NIH programs and related Federal and national activities. It is available to NIH staff and others interested in NIH budget issues and health R&D policy.

In this edition of the *Data Book*, two new tables have been added: one showing NIH obligations for selected disease areas (Table 11), and another showing NIH obligations for the initiatives of the Federal Coordinating Council for Science, Engineering, and Technology (Table 12). Also, the AIDS morbidity table has been expanded to show numbers of deaths per year as well as numbers of new cases reported, and the data have been split into two tables, one for adults (Table 50) and the other for children (Table 51). Additional data have been added to the table on NIH Technology Transfer Services (Table 6), including amounts of royalties received by NIH per year. And the NIH organizational chart (p. ii) has been revised to show the transfer of NIAAA, NIDA, and NIMH into NIH in FY 1993, and the change of the National Center for Nursing Research to the National Institute of Nursing Research.

Suggestions to improve any aspect of the publication are invited. Questions are also welcomed. Suggestions and questions should be directed to Patricia E. McKinley, Ph.D., Office of Strategic Planning and Evaluation, OSPTT (301-496-9291).



Jay Moskowitz, Ph.D.

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Table 1

**National Expenditures for Total Health Costs,
Total R&D, and Health R&D, 1983-1992**

(Billions of Dollars)

National expenditures for:	1983	1984	1985	1986	1987	1988	1989	1990	1991 (est.)	1992 (est.)
Total Health Costs ^a	\$355.0	\$387.1	\$420.3	\$453.4	\$492.4	\$542.1	\$599.8	\$668.7	\$746.0	\$832.2
Total R&D ^b	89.1	101.1	113.8	119.5	125.4	133.7	140.8	146.2	150.8	157.4
Health R&D	10.8	12.2	13.6	14.9	16.9	19.0	20.9	23.1	25.8	28.7

^a Sources: Health Care Financing Administration and Office of Strategic Planning and Evaluation, OSPTT, NIH.

^b Sources: National Science Foundation and Office of Strategic Planning and Evaluation, OSPTT, NIH.

Figure 1.1

**Health R&D as a Percentage of Total R&D,
and of Total Health Costs, 1983 and 1992**

(Dollars in Billions)

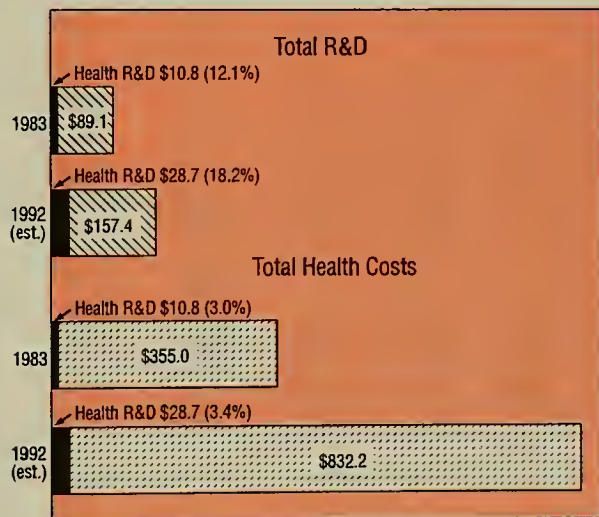
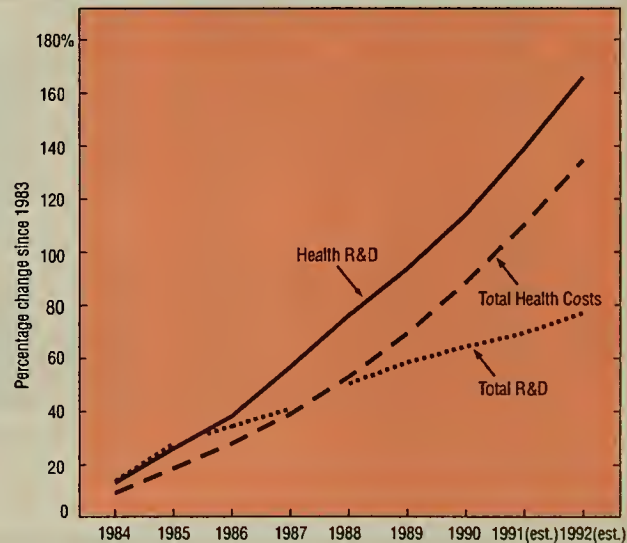


Figure 1.2

**Percentage Change Since 1983 in Total
Health Costs, Total R&D, and Health R&D,
1984-1992**



Sources: HCFA, NSF, and Office of Strategic Planning and Evaluation, OSPTT, NIH

Table 2

National Support for Health R&D by Source or Performer, 1983-1993^a

(Millions of Dollars)

Sector	1983	1984	1985	1986	1987	1988	1989	1990	1991 (est.)	1992 (est.)	1993 (proj.)
Total of A or B	\$10,778	\$12,154	\$13,558	\$14,894	\$16,931	\$18,996	\$20,914	\$23,094	\$25,753	\$28,717	\$30,828
A. BY SOURCE OF FUNDS											
Government	6,117	6,883	7,669	7,924	9,028	9,725	10,628	11,418	12,429	13,626	14,017
Federal	5,399	6,087	6,791	6,895	7,847	8,431	9,163	9,791	10,602	11,727	11,978
NIH	(3,789)	(4,257)	(4,828)	(5,005)	(5,852)	(6,292)	(6,778)	(7,136)	(7,696)	(8,407)	(9,769)
State & local	718	796	878	1,028	1,182	1,294	1,465	1,628	1,828	1,900	2,040
Industry	4,205	4,765	5,352	6,188	7,104	8,433	9,405	10,717	12,234	13,870	15,562
Private nonprofit	456	506	538	782	799	838	881	959	1,091	1,221	1,248
Foundations	89	111	122	129	161	155	129	155	178	236	211
Voluntary health agencies	206	205	233	260	285	323	354	363	393	420	447
Howard Hughes Medical Institute ^b	54	79	51 ^c	247	183	179	197	215	250	273	268
Other	107	112	133	146	170	181	201	226	270	293	322
B. BY PERFORMER											
Government	1,813	1,997	2,139	2,155	2,388	2,590	2,576	2,862	2,991	3,382	3,479
Federal ^d	1,577	1,741	1,869	1,848	2,042	2,214	2,162	2,403	2,480	2,837	2,898
State & local	236	256	270	307	346	376	415	460	511	544	581
Industry ^e	3,668	4,216	4,660	5,293	6,003	6,929	7,901	8,877	10,101	11,370	12,620
Private nonprofit	4,665	5,245	5,954	6,471	7,400	8,035	8,977	9,575	10,729	11,760	12,254
Higher education ^e	3,779	4,269	4,839	5,314	6,048	6,573	7,201	7,699	8,684	9,279	9,668
Other ^e	887	976	1,115	1,157	1,352	1,462	1,777	1,877	2,044	2,481	2,586
Foreign	631	697	805	975	1,140	1,443	1,459	1,779	1,932	2,205	2,475

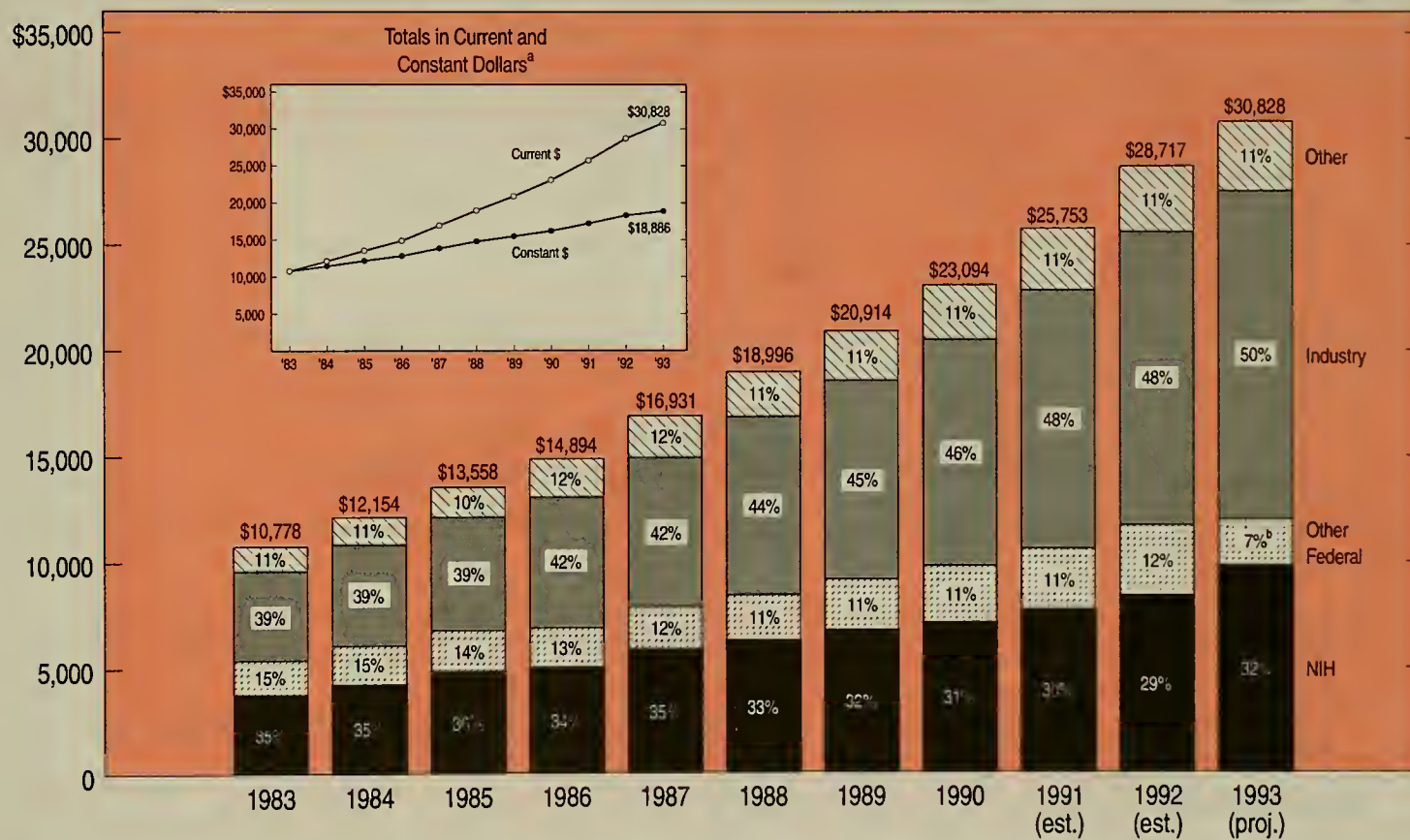
^a Revised.^b These figures report support for the direct conduct of biomedical research. In addition, HHMI's Office of Grants and Special Programs provides support for scientific career development, which is not included here.^c Total includes only eight months of operations due to change in fiscal year.^d In addition to in-house research, includes program management and direct operations attributable to health R&D.^e Includes Federally Funded R&D Centers.

Source: Office of Strategic Planning and Evaluation, OSPTT

Figure 2.1

National Support for Health R&D by Source, 1983–1993

(Dollars in Millions)



^aFY 1983=100. Constant dollars based on Biomedical R&D Price Index (see inside back cover).

^bDecrease in 1993 reflects transfer of NIAAA, NIDA, and NIMH from ADAMHA into NIH.

Source: Office of Strategic Planning and Evaluation, OSPTT

Table 3

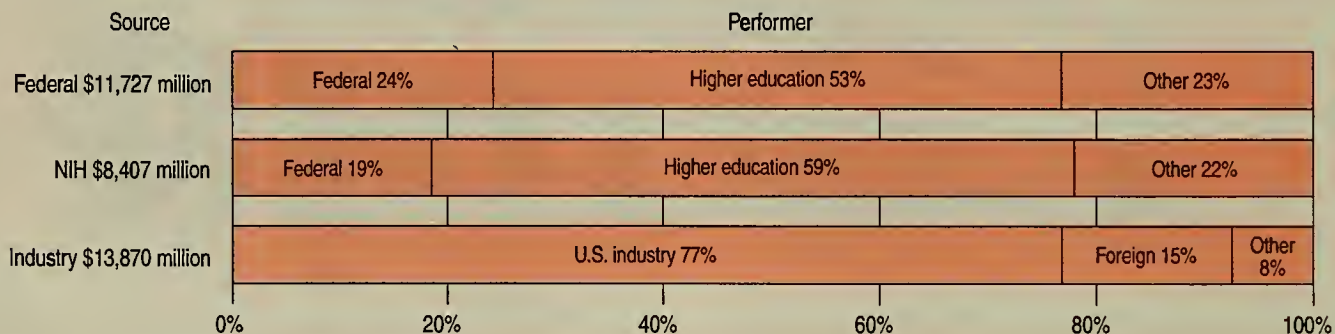
National Support for Health R&D by Source and Performer, 1992 (est.)

(Millions of Dollars)

Source of support	Total	Performer					
		Federal	State and local	Industry	Higher education	Other nonprofit	Foreign
Total	\$28,717	\$2,837	\$544	\$11,370	\$9,279	\$2,481	\$2,206
Federal	11,727	2,834	117	632	6,182	1,898	63
NIH	(8,407)	(1,604)	(61)	(378)	(4,982)	(1,335)	(46)
State & local government	1,900	–	376	2	1,519	3	–
Industry	13,870	–	49	10,737	652	312	2,121
Private nonprofit	1,221	4	3	–	925	268	21

Figure 3.1

Performer Distribution of Federal and Industry Health R&D Support, 1992 (est.)



Source: Office of Strategic Planning and Evaluation, OSPTT

Table 4

Federal Obligations for Health R&D by Source or Performer, Fiscal Years 1983-1992

(Millions of Dollars)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992 (est.)
Total of A or B	\$5,399.3	\$6,087.1	\$6,790.8	\$6,895.3	\$7,846.5	\$8,430.6	\$9,163.2	\$9,790.6	\$10,601.6	\$11,726.5
<i>A. BY SOURCE OF FUNDS</i>										
HHS	4,317.0	4,800.3	5,411.4	5,593.6	6,539.5	7,090.3	7,778.1	8,341.2	9,089.5	10,058.6
NIH	3,789.2	4,257.5	4,827.7	5,005.0	5,852.2	6,291.7	6,778.3	7,136.5	7,695.5	8,406.6
Other PHS	484.4	499.0	545.5	556.8	656.9	765.6	948.9	1,152.1	1,324.1	1,575.2
ADAMHA	302.2	316.4	377.6	396.1	475.9	554.8	695.7	891.7	973.5	1,158.9
CDC	78.2	76.4	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9
FDA	74.2	72.5	82.1	79.4	84.4	91.0	97.8	99.0	125.0	135.7
HRSA	13.3	16.2	19.7	12.0	9.2	10.0	10.5	10.0	11.0	10.2
OASH/AHCPR	16.6	17.5	18.6	17.1	21.2	21.0	27.2	55.8	101.1	123.5
Other HHS	43.3	43.8	38.2	31.8	30.4	33.0	50.9	52.6	69.9	76.9
Other agencies	1,082.3	1,286.8	1,379.4	1,301.7	1,307.0	1,340.3	1,385.1	1,449.4	1,512.1	1,667.8
Agriculture	147.2	147.9	142.6	77.6	99.3	107.4	114.9	109.8	109.1	119.4
Defense	307.4	414.2	439.9	496.4	407.1	431.0	384.6	429.9	404.2	482.9
Education	29.3	41.0	38.2	44.0	49.0	55.0	57.6	59.3	41.6	48.5
Energy	168.5	182.7	177.5	164.3	177.1	202.0	223.8	272.0	350.6	348.8
Environmental Protection	39.9	43.5	53.3	32.2	49.3	27.5	53.7	32.4	50.1	37.9
International Development (AID)	31.1	17.7	38.5	29.4	33.7	28.9	29.0	16.7	18.7	25.9
Aeronautics & Space	76.0	110.2	116.6	129.9	131.6	131.9	136.2	150.3	160.4	163.6

^a Includes FFRDCs.

Source: Office of Strategic Planning and Evaluation, OSPTT
(Continued)

Table 4 (Cont.)

**Federal Obligations for Health R&D by Source or
Performer, Fiscal Years 1983-1992**

(Millions of Dollars)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992 (est.)
<i>A. BY SOURCE OF FUNDS (cont.)</i>										
Other agencies (cont.)										
National Science Foundation	77.0	86.8	89.3	81.4	89.9	86.3	88.1	82.3	79.8	76.2
Veterans	161.4	190.3	226.6	186.2	209.5	215.3	235.3	237.7	217.2	270.4
Other	44.5	52.4	56.9	60.2	60.5	55.1	62.0	59.0	80.4	94.2
Total of A or B	\$5,399.3	\$6,087.1	\$6,790.8	\$6,895.3	\$7,846.5	\$8,430.6	\$9,163.2	\$9,790.6	\$10,601.6	\$11,726.5
<i>B. BY PERFORMER</i>										
Intramural (Federal)	1,574.9	1,739.0	1,867.3	1,845.3	2,039.2	2,211.2	2,158.3	2,399.4	2,476.8	2,833.8
Extramural (non-Federal)	3,824.4	4,348.0	4,923.5	5,050.0	5,807.3	6,219.3	7,004.9	7,391.2	8,124.7	8,892.7
State & local government	60.4	65.6	61.6	63.4	71.6	77.8	82.0	93.6	107.3	116.9
Industry ^a	276.4	361.9	363.5	376.5	429.4	436.9	528.5	601.5	595.9	631.8
Private nonprofit	3,450.8	3,875.9	4,450.4	4,564.2	5,242.9	5,646.1	6,324.5	6,623.0	7,365.1	8,080.6
Higher education ^a	2,760.4	3,124.9	3,587.6	3,685.3	4,226.8	4,564.0	4,975.7	5,216.1	5,857.3	6,182.4
Medical schools	(1,718.9)	(1,906.2)	(2,246.7)	(2,327.5)	(2,573.2)	(2,740.3)	(3,214.6)	(3,290.8)	(3,639.6)	(3,822.6)
Other ^a	690.4	750.9	862.8	878.8	1,016.1	1,082.2	1,348.8	1,406.9	1,507.8	1,898.2
Foreign	36.9	44.7	47.9	46.0	63.4	58.4	69.9	73.1	56.4	63.4

See footnote on first page of table.

Table 5

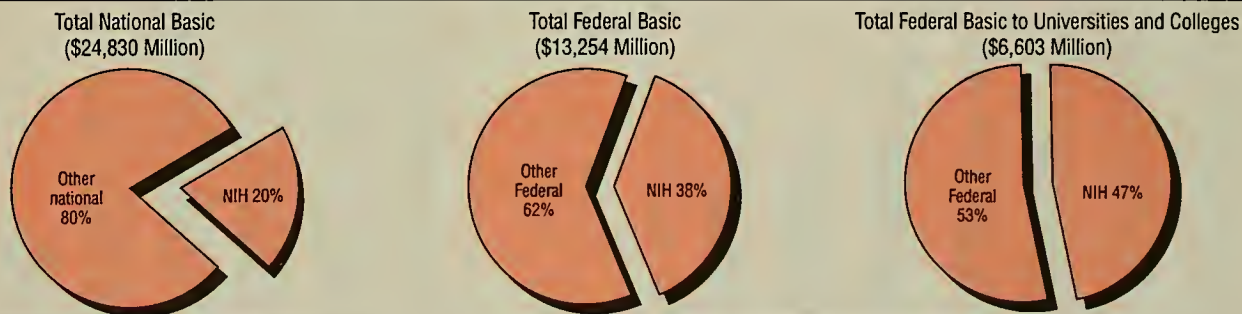
**National, Federal, and NIH Basic Research Support,
Fiscal Years 1983–1992**

(Dollars in Millions)

Source of support	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992 (est.)	NIH as percentage of total	
											1983	1992
Total national basic research support^a	\$11,634	\$12,909	\$14,198	\$16,590	\$17,999	\$18,709	\$21,190	\$21,303	\$23,350	\$24,830	20%	20%
Total Federal basic research support^b	6,260	7,067	7,819	8,153	8,942	9,474	10,602	11,286	12,171	13,254	37	38
NIH	2,313	2,625	3,018	3,119	3,576	3,795	4,053	4,262	4,590	5,019		
Other	3,947	4,442	4,801	5,034	5,366	5,679	6,549	7,024	7,581	8,235		
Total Federal basic research support to universities & colleges^b	3,112	3,531	4,039	4,132	4,666	4,868	5,221	5,548	6,064	6,603	48	47
NIH	1,502	1,733	2,024	2,039	2,400	2,452	2,552	2,688	2,906	3,075		
Other	1,610	1,798	2,015	2,093	2,266	2,416	2,669	2,860	3,158	3,528		

Figure 5.1

National, Federal, and NIH Basic Research Support, Fiscal Year 1992 (est.)



^a Expenditures data from NSF National Patterns of Science and Technology Resources.

^b Obligations data from NSF survey of Federal Funds for Research and Development.

NOTE: Total basic research figures represent all disciplines (including life sciences, psychology, physical sciences, mathematics and computer sciences, engineering, environmental sciences, and social sciences), and national total includes all sources (Federal, State, and local governments, industry, and private nonprofit sources).

Source: National Science Foundation and Office of Strategic Planning and Evaluation, OSPTT, NIH

Table 6

NIH Technology Transfer Services, Fiscal Years 1986-1992

(Dollars in Millions)

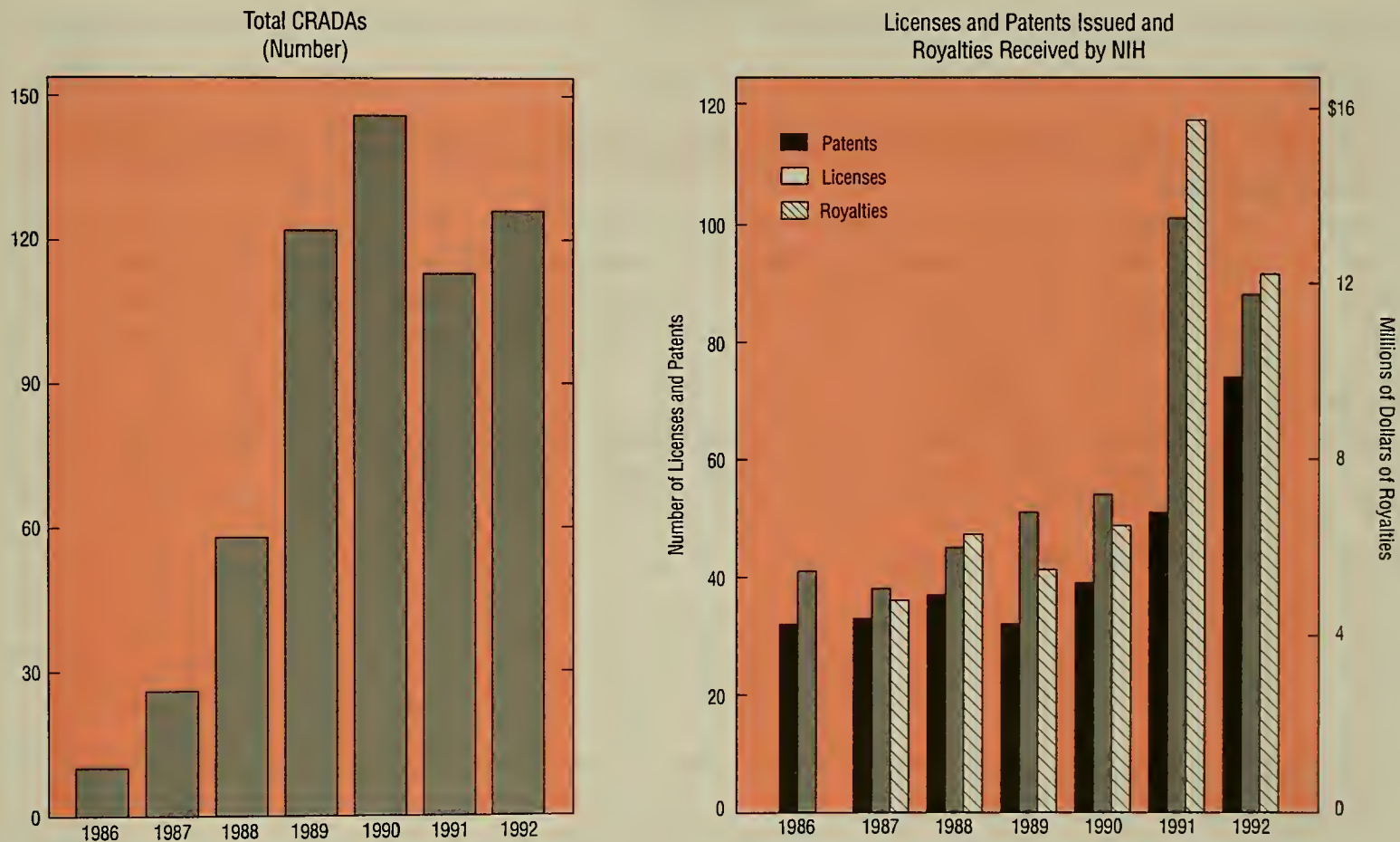
	1986	1987	1988	1989	1990	1991	1992
Cooperative R&D Agreements (CRADAs), ^a total	10	26	58	122	146	113	126
Newly initiated	—	8	20	42	32	32	47
Ongoing	10	18	38	80	114	81	79
Inventions disclosed	102	143	192	217	232	235	303
Applications filed	87	99	147	241	254	264	335
Patents issued	32	33	37	32	39	51	74
Licenses issued	41	38	45	51	54	101	88
Exclusive	15	12	18	13	11	16	10
Nonexclusive	26	23	26	38	43	85	78
Other	—	3	1	—	—	—	—
Royalties received by NIH	—	\$4.8	\$6.3	\$5.5	\$6.5	\$15.7	\$12.2

^a An agreement between a Federal laboratory and one or more collaborators (usually private corporations, but may also be State and local governments and nonprofit institutions), who for a designated period of time provide personnel, services, intellectual property, or information toward a joint research project. As an incentive for participation, the collaborating party may be granted, in advance, an exclusive right to license any resulting invention. The purpose of the CRADA is to make Federal facilities, scientific know-how, and existing intellectual property available for collaborative interactions with industry scientists, and for development of scientific and technological knowledge into useful, marketable products.

Source: Office of Technology Transfer, OSPTT

Figure 6.1

NIH Technology Transfer Services, Fiscal Years 1986-1992



Source: Office of Technology Transfer, OSPTT

Table 7

NIH Appropriations by NIH Component, Fiscal Years 1983–1993

(Dollars in Thousands)

NIH component	1983	1984	1985	1986	1987 ^a	1988	1989 ^b	1990 ^c	1991	1992	1993 ^d	Percentage change	
												1983–93	1992–93
Total	\$4,320,255	\$4,810,345	\$5,520,191	\$5,886,170	\$6,691,128	\$7,243,222	\$7,885,357	\$8,495,328	\$9,330,503	\$10,065,684	\$10,326,603	139.0%	2.6%
Former ADAMHA components ^d													
Subtotal	296,286	334,204	375,541	391,772	510,468	576,529	733,150	918,976	1,053,764	1,130,866	1,164,076	292.9	2.9
NIAAA	43,038	54,827	61,677	66,395	83,357	92,763	120,051	149,194	158,141	171,481	176,619	310.4	3.0
NIDA	61,704	71,098	81,130	83,311	139,307	156,252	228,171	329,560	383,656	399,100	403,806	554.4	1.2
NIMH	191,544	208,279	232,734	242,066	287,804	327,514	384,928	440,222	511,967	560,285	583,651	204.7	4.2
Other NIH components													
Subtotal	4,023,969	4,476,141	5,144,650	5,494,398	6,180,660	6,666,693	7,152,207	7,576,352	8,276,739	8,934,818	9,162,527	127.7	2.5
NIA	93,996	114,921	144,444	156,352	176,931	194,746	222,643	239,455	323,752	383,611	399,924	325.5	4.3
NIAID	279,129	314,117	370,779	383,231	545,523	638,800	744,152	832,977	906,251	960,914	979,471	250.9	1.9
NIADDK	413,492	462,578	542,937	568,724	–	–	–	–	–	–	–	–	–
NIAMS	–	–	–	–	138,713	147,679	159,897	168,930	193,247	203,913	212,456	–	4.2
NCI	987,642	1,077,303	1,181,949	1,256,147	1,402,837	1,469,327	1,571,879	1,634,332	1,714,784	1,951,541	1,981,350	100.6	1.5
NICHD	254,324	275,179	313,150	321,581	366,780	396,811	425,649	442,914	478,956	519,724	527,788	107.5	1.6
NIDCD	–	–	–	–	–	–	91,677	117,583	134,935	149,102	154,814	–	3.8

^a In 1987, NIAMS, NIDDK, and NCNR appropriations were new.^b In 1989, NIDCD and NINDS appropriations were new.^c In 1990, NCHGR appropriation was new, and DRR was reorganized and renamed NCRR.^d In 1993, ADAMHA was reorganized and renamed SAMHSA, and its three research institutes were transferred to NIH. Also, NCNR was made an institute and renamed NINR.^e Includes AIDS funds appropriated to OD but transferred out to be awarded and administered. Also includes funds for NCNR which were administered under OD in 1986.Source: Division of Financial Management
(Continued)

Table 7 (Cont.)

**NIH Appropriations by NIH Component,
Fiscal Years 1983-1993**

(Dollars in Thousands)

NIH component	1983	1984	1985	1986	1987 ^a	1988	1989 ^b	1990 ^c	1991	1992	1993 ^d	Percentage change	
												1983–93	1992–93
Other NIH components (cont.)													
NIDR	\$79,292	\$88,163	\$100,633	\$103,207	\$117,945	\$126,297	\$130,752	\$135,749	\$148,918	\$159,240	\$161,301	103.4%	1.3%
NIDDK	–	–	–	–	511,124	534,733	559,538	581,477	615,272	662,678	681,342	–	2.8
NIEHS	164,867	179,806	194,553	197,379	209,294	215,666	223,454	229,234	241,028	252,031	251,187	52.4	–0.3
NEI	141,901	154,683	181,586	194,993	216,637	224,947	231,230	236,533	253,241	270,300	276,188	94.6	2.2
NIGMS	369,813	415,644	482,168	514,528	570,916	632,676	682,349	681,782	760,010	815,134	832,581	125.1	2.1
NHLBI	624,259	703,197	804,456	858,570	930,001	965,536	1,045,985	1,072,354	1,126,942	1,191,500	1,214,793	94.6	2.0
NINCDS	297,064	335,205	396,683	433,094	490,233	534,692	–	–	–	–	–	–	–
NINDS	–	–	–	–	–	–	474,943	490,409	541,743	581,847	600,078	–	3.1
DRR/NCRR	213,917	242,636	303,854	305,553	322,860	368,153	358,608	353,734	335,255	314,551	312,468	46.1	–0.7
FIC	10,147	11,336	11,578	11,390	11,420	15,651	15,848	15,516	17,519	19,609	19,733	94.5	0.6
NCHGR	–	–	–	–	–	–	–	59,538	87,418	104,878	106,239	–	1.3
NCNR/NINR	–	–	–	–	19,000	23,380	29,139	33,513	39,722	44,970	48,119	–	7.0
NLM	51,943	49,613	55,848	57,759	61,838	67,910	73,731	81,861	91,408	103,323	103,639	99.5	0.3
OD	24,683	26,720	38,302	116,990 ^e	56,708	61,819	72,201	107,419	97,651	142,112	190,325	671.1	33.9
Buildings & facilities	17,500	25,040	21,730	14,900	31,900	47,870	38,532	61,042	168,687	103,840	108,731	521.3	4.7

See footnotes on first page of table.

Table 8

**NIH Obligations by NIH Component,
Fiscal Years 1983-1992 in Current and Constant Dollars**

(Millions of Dollars)

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>CURRENT DOLLARS</i>										
Total	\$4,013.1	\$4,493.6	\$5,121.6	\$5,297.0	\$6,175.0	\$6,610.4	\$7,158.0	\$7,581.5	\$8,154.1	\$8,879.4
NIA	93.9	115.2	143.0	150.9	177.5	194.5	222.5	238.9	323.8	382.9
NIAID	278.9	319.6	370.0	367.1	545.4	638.5	740.2	831.2	906.0	960.1
NIADDK	413.4	463.7	539.5	-	-	-	-	-	-	-
NIAMS	-	-	-	111.3	138.7	147.5	159.9	168.5	193.4	203.5
NCI	986.8 ^a	1,081.5	1,177.9	1,210.3	1,402.8	1,468.4	1,570.3	1,644.3	1,712.7	1,947.6
NICHD	254.3	275.5	312.6	308.2	366.7	396.6	425.3	442.0	478.9	518.6
NIDCD	-	-	-	-	-	-	94.3	117.3	135.0	148.7
NIDR	79.3	88.4	100.4	98.8	117.9	126.2	130.7	135.4	148.7	158.9
NIDDK	-	-	-	436.0	510.9	534.4	559.3	580.0	615.3	661.4
NIEHS	164.6 ^a	180.4	194.5	188.8	209.3	215.4	223.3	228.7	240.6	251.5
NEI	141.6	155.0	181.3	186.3	216.5	224.8	231.0	236.5	253.4	269.8
NIGMS	369.8	415.9	481.0	493.5	570.9	632.6	682.1	680.3	761.2	818.3
NHLBI	624.1	705.1	803.8	821.9	930.0	965.3	1,045.5	1,070.7	1,125.9	1,190.1
NINCDS	296.3	336.0	396.2	414.4	490.1	534.5	-	-	-	-
NINDS	-	-	-	-	-	-	471.6	489.3	542.3	580.8
DRR/NCRR	213.7	243.0	303.6	292.4	322.8	344.1	381.9	353.8	335.8	314.2
FIC	10.1	11.2	11.6	10.9	11.4	15.6	15.7	15.5	17.5	19.6
NCHGR	-	-	-	-	-	-	-	59.5	87.4	104.8
NCNR	-	-	-	16.2	19.9	23.4	29.1	33.5	39.9	44.9
NLM	46.0	50.6	55.2	55.2	61.7	67.7	78.8	81.7	91.2	98.9
OD	25.7	27.0	35.4	114.7	56.9	61.7	72.1	107.1	95.9	143.5
Buildings and facilities	14.5	25.6	15.7	19.9	25.8	19.0	24.2	67.2	49.3	61.3

^a National Toxicology Program funding was transferred from NCI to NIEHS in 1983.

^b FY 1983=100. Constant dollars are based on the Biomedical R&D Price Index (see inside back cover).

Source: Division of Financial Management
(Continued)

Table 8 (Cont.)

**NIH Obligations by NIH Component,
Fiscal Years 1983–1992 in Current and Constant Dollars**
(Millions of Dollars)

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>CONSTANT DOLLARS^b</i>										
Total	\$4,013.0	\$4,246.3	\$4,605.1	\$4,571.7	\$5,059.7	\$5,156.1	\$5,305.1	\$5,329.0	\$5,459.5	\$5,667.9
NIA	93.9	108.9	128.6	130.2	145.4	151.7	164.9	167.9	216.8	244.4
NIAID	278.9	302.0	332.7	316.8	446.9	498.0	548.6	584.3	606.6	612.8
NIADDK	413.4	438.2	485.1	—	—	—	—	—	—	—
NIAMS	—	—	—	96.1	113.6	115.1	118.5	118.4	129.5	129.9
NCI	986.8 ^a	1,021.9	1,059.1	1,044.6	1,149.4	1,145.4	1,163.9	1,155.8	1,146.7	1,243.2
NICHD	254.3	260.3	281.1	266.0	300.5	309.4	315.2	310.7	320.6	331.0
NIDCD	—	—	—	—	—	—	69.9	82.5	90.4	94.9
NIDR	79.3	83.5	90.3	85.3	96.6	98.4	96.9	95.2	99.6	101.4
NIDDK	—	—	—	376.3	418.6	416.8	414.5	407.7	412.0	422.2
NIEHS	164.6 ^a	170.5	174.9	163.0	171.5	168.0	165.5	160.8	161.1	160.5
NEI	141.6	146.5	163.0	160.8	177.4	175.4	171.2	166.2	169.7	172.2
NIGMS	369.8	393.0	432.5	425.9	467.8	493.4	505.6	478.2	509.6	522.3
NHLBI	624.1	666.3	722.7	709.4	762.0	753.0	774.9	752.6	753.8	759.7
NINCDS	296.3	317.5	356.2	357.7	401.6	416.9	—	—	—	—
NINDS	—	—	—	—	—	—	349.5	343.9	363.1	370.7
DDR/NCRR	213.7	229.6	273.0	252.4	264.5	268.4	283.1	248.7	224.8	200.6
FIC	10.1	10.6	10.4	9.4	9.3	12.2	11.6	10.9	11.7	12.5
NCHGR	—	—	—	—	—	—	—	41.8	58.5	66.9
NCNR	—	—	—	14.0	16.3	18.3	21.6	23.5	26.7	28.7
NLM	46.0	47.8	49.6	47.6	50.6	52.8	58.4	57.4	61.1	63.2
OD	25.7	25.5	31.8	99.0	46.6	48.1	53.4	75.3	64.2	91.6
Buildings and facilities	14.5	24.2	14.1	17.2	21.1	14.8	17.9	47.2	33.0	39.2

See footnotes on first page of table.

Table 9

**NIH Obligations by NIH Component, Program Activity,
and Function/Mechanism, Fiscal Year 1992**

(Thousands of Dollars)

NIH component and program activity	Total	Research grants			R&D contracts	Research training		Direct activities		Other obligations
		Project	Center	Other		Indiv.	Inst.	Intramural research	Research mgt. & support	
Total NIH	\$8,879,398	\$4,898,993	\$787,133	\$446,644	\$638,336	\$49,224	\$264,790^a	\$1,016,388	\$457,341	\$320,549
NIA	382,882	230,900	46,754	13,742	20,873	698	10,814	37,378	21,723	-
Aging	323,781	230,900	46,754	13,742	20,873	698	10,814	-	-	-
Intramural research	37,378	-	-	-	-	-	-	37,378	-	-
Research mgt. and support	21,723	-	-	-	-	-	-	-	21,723	-
NIAID	960,082	594,132	17,287	15,907	140,212	3,587	17,379	119,906	51,672	-
Allergy, immunology, and transplantation	185,433	163,583	5,476	3,814	4,653	1,328	6,579	-	-	-
Microbiology and infectious diseases	603,071	430,549	11,811	12,093	135,559	2,259	10,800	-	-	-
Intramural research	119,906	-	-	-	-	-	-	119,906	-	-
Research mgt. and support	51,672	-	-	-	-	-	-	-	51,672	-
NIAMS	203,516	137,712	22,520	6,731	4,311	1,145	5,709	15,606	9,782	-
Arthritis, musculoskeletal, and skin diseases	178,128	137,712	22,520	6,731	4,311	1,145	5,709	-	-	-
Intramural research	15,606	-	-	-	-	-	-	15,606	-	-
Research mgt. and support	9,782	-	-	-	-	-	-	-	9,782	-
NCI	1,947,571	873,857	144,785	114,967	201,180	4,115	33,028	359,508	96,562	119,569
Research	1,609,739	873,857	-	92,765	201,180	-	-	359,508	82,391	38
Cancer causation	545,109	331,634	-	4,621	70,867	-	-	111,445	26,542	-
Detection and diagnosis	134,765	83,976	-	205	14,669	-	-	28,850	7,065	-
Treatment	611,008	241,967	-	79,402	109,771	-	-	149,125	30,705	38
Cancer biology	318,857	216,280	-	8,537	5,873	-	-	70,088	18,079	-

^a NLM does not use NRSAs to support training.

^b Funds appropriated to OD but (except for \$9.232 million for administrative support for AIDS research, the Office of Alternative Medicine, Office of Minority Programs, Office of Research on Women's Health, and the Women's Health Initiative) transferred out to be awarded and administered.

Source: Division of Financial Management
(Continued)

Table 9 (Cont.)

**NIH Obligations by NIH Component, Program Activity,
and Function/Mechanism, Fiscal Year 1992**

(Thousands of Dollars)

NIH component and program activity	Total	Research grants			R&D contracts	Research training		Direct activities		Other obligations
		Project	Center	Other		Indiv.	Inst.	Intramural research	Research mgt. & support	
NCI (cont.)										
Resource development	\$222,919	-	\$144,785	\$22,202	-	\$4,115	\$33,028	-	\$6,789	\$12,000
Cancer centers	146,286	-	144,785	-	-	-	-	-	1,501	-
Research manpower development	64,360	-	-	22,202	-	4,115	33,028	-	5,015	-
Construction	12,273	-	-	-	-	-	-	-	273	12,000
Cancer prevention & control	114,913	-	-	-	-	-	-	-	7,382	107,531
NICHD	518,577	\$279,753	48,165	29,141	\$47,101	2,796	14,667	\$68,344	28,610	-
Research for mothers and children	272,616	186,294	24,409	23,838	27,248	1,659	9,168	-	-	-
Population research	141,737	87,991	23,756	5,292	19,394	1,137	4,167	-	-	-
Medical rehabilitation research	7,270	5,468	-	11	459	-	1,332	-	-	-
Intramural research	68,344	-	-	-	-	-	-	68,344	-	-
Research mgt. and support	28,610	-	-	-	-	-	-	-	28,610	-
NIDCD	148,748	102,988	16,303	5,624	4,107	761	3,429	8,168	7,368	-
Deafness and other com- munication disorders	133,212	102,988	16,303	5,624	4,107	761	3,429	-	-	-
Intramural research	8,168	-	-	-	-	-	-	8,168	-	-
Research mgt. and support	7,368	-	-	-	-	-	-	-	7,368	-
NIDR	158,900	75,542	18,298	12,712	5,357	978	5,073	31,305	9,635	-
Oral disorders and diseases research	117,960	75,542	18,298	12,712	5,357	978	5,073	-	-	-
Intramural research	31,305	-	-	-	-	-	-	31,305	-	-
Research mgt. and support	9,635	-	-	-	-	-	-	-	9,635	-

See footnotes on first page of table.

(Continued)

Table 9 (Cont.)

**NIH Obligations by NIH Component, Program Activity,
and Function/Mechanism, Fiscal Year 1992**

(Thousands of Dollars)

NIH component and program activity	Total	Research grants			R&D contracts	Research training		Direct activities		Other obligations
		Project	Center	Other		Indiv.	Inst.	Intramural research	Research mgt. & support	
NIDDK	\$661,446	\$453,284	\$40,559	\$21,353	\$16,622	\$3,922	\$20,795	\$80,443	\$24,468	-
Diabetes, endocrinology, and metabolism	276,383	220,163	19,193	13,447	12,225	1,835	9,520	-	-	-
Digestive diseases and nutrition	130,371	102,932	15,832	3,572	1,229	1,088	5,718	-	-	-
Kidney disease, urology, and hematology	149,781	130,189	5,534	4,334	3,168	999	5,557	-	-	-
Intramural research	80,443	-	-	-	-	-	-	80,443	-	-
Research mgt. and support	24,468	-	-	-	-	-	-	-	24,468	-
NIEHS	251,484	82,068	16,934	3,561	57,868	1,337	9,569	70,933	9,214	-
Biological response to environmental health hazards	73,215	71,137	-	2,078	-	-	-	-	-	-
Applied toxicological research and testing	58,698	5,149	-	1,245	52,304	-	-	-	-	-
Biometry and risk estimation	11,584	5,782	-	238	5,564	-	-	-	-	-
Resource and manpower development	27,840	-	16,934	-	-	1,337	9,569	-	-	-
Intramural research	70,933	-	-	-	-	-	-	70,933	-	-
Research mgt. and support	9,214	-	-	-	-	-	-	-	9,214	-
NEI	269,766	179,886	7,650	29,421	5,049	2,157	5,127	29,454	11,022	-
Retinal and choroidal diseases	105,790	76,635	4,580	17,402	3,626	1,167	2,380	-	-	-
Anterior segment diseases	75,034	62,430	1,789	8,000	1,423	207	1,185	-	-	-
Strabismus, amblyopia, and visual processing	48,466	40,821	1,281	4,019	-	783	1,562	-	-	-
Intramural research	29,454	-	-	-	-	-	-	29,454	-	-
Research mgt. and support	11,022	-	-	-	-	-	-	-	11,022	-

See footnotes on first page of table.

(Continued)

Table 9 (Cont.)

**NIH Obligations by NIH Component, Program Activity,
and Function/Mechanism, Fiscal Year 1992**

(Thousands of Dollars)

NIH component and program activity	Total	Research grants			R&D contracts	Research training		Direct activities		Other obligations
		Project	Center	Other		Indiv.	Inst.	Intramural research	Research mgt. & support	
NIGMS	\$818,297	\$647,962	\$6,752	\$40,155	\$5,443	\$14,158	\$77,681	\$1,109	\$25,037	-
Cellular and molecular basis of disease	223,759	204,320	-	1,129	110	2,157	16,043	-	-	-
Genetics	231,973	211,505	-	2,785	5,032	4,429	8,222	-	-	-
Pharmacological sciences	118,899	101,574	2,722	207	10	2,368	12,018	-	-	-
Biophysics and physiological sciences	169,199	130,563	4,030	2,844	271	1,657	29,834	-	-	-
Minority opportunities in research	48,321	-	-	33,190	20	3,547	11,564	-	-	-
Minority biomedical research support	33,190	-	-	33,190	-	-	-	-	-	-
Minority access to research careers	13,514	-	-	-	-	1,950	11,564	-	-	-
Special minority initiatives	1,617	-	-	-	20	1,597	-	-	-	-
Intramural research	1,109	-	-	-	-	-	-	1,109	-	-
Research mgt. and support	25,037	-	-	-	-	-	-	-	25,037	-
NHLBI	1,190,070	736,232	96,510	47,656	107,671	6,383	40,350	97,060	58,208	-
Heart and vascular diseases	619,528	469,469	40,665	25,310	57,714	3,787	22,583	-	-	-
Lung diseases	203,404	134,243	28,602	11,148	16,977	1,443	10,991	-	-	-
Blood diseases and resources	211,870	132,520	27,243	11,198	32,980	1,153	6,776	-	-	-
Intramural research	97,060	-	-	-	-	-	-	97,060	-	-
Research mgt. and support	58,208	-	-	-	-	-	-	-	58,208	-
NINDS	580,790	398,045	31,455	19,300	17,050	4,174	9,171	75,754	25,841	-
Biological basis research	287,521	258,598	-	9,286	9,965	3,856	5,816	-	-	-
Clinical research	191,674	139,447	31,455	10,014	7,085	318	3,355	-	-	-
Intramural research	75,754	-	-	-	-	-	-	75,754	-	-
Research mgt. and support	25,841	-	-	-	-	-	-	-	25,841	-

See footnotes on first page of table.

(Continued)

Table 9 (Cont.)

**NIH Obligations by NIH Component, Program Activity,
and Function/Mechanism, Fiscal Year 1992**

(Thousands of Dollars)

NIH component and program activity	Total	Research grants			R&D contracts	Research training		Direct activities		Other obligations
		Project	Center	Other		Indiv.	Inst.	Intramural research	Research mgt. & support	
FIC	\$19,574	-	-	\$12,431	-	-	-	-	\$7,143	-
International research activities	12,431	-	-	12,431	-	-	-	-	-	-
Research mgt. and support	7,143	-	-	-	-	-	-	-	7,143	-
NCHGR	104,756	\$60,696	\$29,736	4,008	\$1,287	\$808	\$3,301	-	4,920	-
Human genome research	99,836	60,696	29,736	4,008	1,287	808	3,301	-	-	-
Research mgt. and support	4,920	-	-	-	-	-	-	-	4,920	-
NCNR	44,925	31,551	1,667	2,079	223	2,020	2,369	\$725	4,291	-
Nursing research	39,909	31,551	1,667	2,079	223	2,020	2,369	-	-	-
Intramural research	725	-	-	-	-	-	-	725	-	-
Research mgt. and support	4,291	-	-	-	-	-	-	-	4,291	-
NCRR	314,198	14,385	241,758	37,616	3,982	185	2,512	-	13,760	-
Clinical research	127,111	657	125,320	910	224	-	-	-	-	-
Biomedical research technology	46,264	4,614	37,175	2,189	2,255	31	-	-	-	-
Comparative medicine	72,412	4,899	54,228	10,282	337	154	2,512	-	-	-
Biological models and materials research	8,369	4,215	1,563	1,425	1,166	-	-	-	-	-
Biomedical research support	22,810	-	-	22,810	-	-	-	-	-	-
Research centers in minority institutions	23,472	-	23,472	-	-	-	-	-	-	-
Research mgt. and support	13,760	-	-	-	-	-	-	-	13,760	-

See footnotes on first page of table.

(Continued)

Table 9 (Cont.)

**NIH Obligations by NIH Component, Program Activity,
and Function/Mechanism, Fiscal Year 1992**

(Thousands of Dollars)

NIH component and program activity	Total	Research grants			R&D contracts	Research training		Direct activities		Other obligations
		Project	Center	Other		Indiv.	Inst.	Intramural research	Research mgt. & support	
NLM	\$98,937	-	-	\$15,995	-	-	\$3,816^a	\$20,695	\$7,925	\$50,506
Medical library assistance	15,071	-	-	4,416	-	-	3,816 ^a	-	-	6,839
Medical informatics	11,667	-	-	11,579	-	-	-	-	-	88
Intramural activities	64,274	-	-	-	-	-	-	20,695	-	43,579
Research mgt. and support	7,925	-	-	-	-	-	-	-	7,925	-
OD	143,542	-	-	14,245	-	-	-	-	40,160	89,137
Director's discretionary fund ^b	17,876	-	-	-	-	-	-	-	-	17,876
Academic research enhancement awards	14,245	-	-	14,245	-	-	-	-	-	-
AIDS research ^b	15,113	-	-	-	-	-	-	-	-	15,113
Diagnostic radiological research	1,989	-	-	-	-	-	-	-	-	1,989
Science education	1,983	-	-	-	-	-	-	-	-	1,983
Office of alternative medicine ^b	1,968	-	-	-	-	-	-	-	-	1,968
Office of minority programs ^b	10,106	-	-	-	-	-	-	-	-	10,106
Office of research on women's health ^b	9,787	-	-	-	-	-	-	-	-	9,787
Women's health initiative ^b	22,877	-	-	-	-	-	-	-	-	22,877
Extramural construction	7,438	-	-	-	-	-	-	-	-	7,438
Research mgt. and support	40,160	-	-	-	-	-	-	-	40,160	-
Buildings and facilities	61,337	-	-	-	-	-	-	-	-	61,337

See footnotes on first page of table.

Table 10

**NIH Obligations by Function/Mechanism,
Fiscal Years 1983-1992**

(Thousands of Dollars)

Function/ mechanism	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	\$4,013,135	\$4,493,553	\$5,121,557	\$5,296,977	\$6,175,038	\$6,610,430	\$7,157,978	\$7,581,484	\$8,154,101	\$8,879,398
Grants & contracts	3,227,751	3,637,832	4,224,397	4,327,001	5,126,267	5,475,499	5,901,954	6,122,206	6,629,225	7,170,633
Research grants	2,686,438	3,061,235	3,554,860	3,691,860	4,334,668	4,669,870	4,997,766	5,176,475	5,634,209	6,102,530
R&D contracts	320,090	344,642	375,176	351,550	481,867	496,993	543,184	568,022	597,315	638,336
Research training	164,654	166,462	217,467	212,780	232,725	238,954	255,558	285,954	304,962	310,198
Cancer control	53,569	63,282	63,794	61,372	67,457	69,682	74,100	75,433	85,390	107,569
Construction	3,000	2,211	13,100	9,439	9,550	-	31,345	16,322	7,349	12,000
Direct activities	699,147	752,540	790,905	780,125	904,393	986,486	1,080,937	1,203,226	1,288,525	1,404,949
Intramural research	498,210	539,514	571,595	571,602	665,311	715,039	782,184	860,029	922,986	995,693
Research management and support ^a	200,937	213,026	219,310	208,523	239,082	271,447	298,754	343,197	365,539	409,256
NLM	45,980	50,624	55,184	55,206	61,675	67,700	78,798	81,683	91,182	98,937
OD	25,726	26,976	35,396	114,712	56,917	61,716	72,071	107,129	95,853	143,542
Buildings and facilities	14,531	25,581	15,675	19,933	25,786	19,029	24,218	67,240	49,316	61,337

^a Management of extramural programs, ODs of ICDs, and some management costs applicable to overall operations.

Table 11

**NIH Obligations for Selected Disease Areas^a by NIH Component,
Fiscal Year 1992**
(Millions of Dollars)

Disease area	Total	NIA	NIAID	NIAMS	NCI	NICHD	NIDCD	NIDR	NIDDK	NIEHS	NEI	NIGMS	NHLBI	NINDS	NCRR	Other ^b
Alzheimer's disease	\$250.9	\$197.1	\$1.6	\$1.8	\$0.5	\$0.7	\$1.0	\$0.4	\$2.0	\$0.4	\$0.1	-	\$2.0	\$38.8	\$1.2	\$3.2
Arthritis & related musculoskeletal disorders	151.3	3.1	24.9	76.0	1.8	2.5	-	9.8	19.8	-	1.8	\$0.4	2.2	2.0	5.2	1.8
Bone marrow	94.5	-	6.2	1.0	39.0	-	-	0.3	5.9	1.9	-	-	37.9	0.6	1.8	-
Cystic fibrosis	53.1	-	11.3	0.2	0.3	0.6	-	2.7	19.1	-	0.4	-	16.0	-	0.9	1.7
Diabetes & related research	277.4	4.8	4.6	-	1.0	11.5	-	1.6	184.5	0.4	20.9	2.3	19.6	5.0	19.1	2.1
Huntington's disease	39.4	2.2	-	-	-	-	-	-	-	-	-	-	-	37.2	-	-
Immunization	232.3	0.8	145.0	0.1	49.9	7.1	1.2	6.7	1.7	-	1.2	-	4.9	0.8	10.1	2.9
Infant mortality	227.8	-	88.9	8.7	1.3	71.9	0.2	0.3	1.3	7.0	2.8	-	22.7	8.5	6.6	7.6
Mental retardation	98.9	-	25.5	-	-	53.6	-	-	-	-	-	-	-	19.2	0.7	-
Pediatric AIDS	126.5	-	65.0	-	10.9	29.4	-	2.2	0.4	-	-	-	7.9	3.4	6.5	0.6
Rural health	47.3	5.6	-	-	24.4	-	-	0.5	-	0.6	-	-	6.8	-	0.2	9.2
Sexually transmitted diseases	67.0	-	34.8	-	21.4	3.5	-	0.4	-	-	1.4	-	0.6	0.5	4.3	0.1
Stroke	99.4	3.8	-	-	-	0.7	7.3	-	-	-	-	0.8	19.8	65.2	0.6	1.2

^a Identified by Congress for reporting in the FY 1994 PHS Supplemental Budget Data (Moyer Material). For AIDS obligations, see Tables 16 and 17.

^b Includes FIC, NCHGR, NCNR, NLM, OD, and buildings and facilities.

Source: Division of Financial Management

Table 12

**NIH Obligations for the Initiatives of the
Federal Coordinating Council for Science,
Engineering, and Technology (FCCSET),
by NIH Component, Fiscal Year 1992**

(Thousands of Dollars)

NIH component	Total	Advanced materials	Biotechnology research	Global change research	High performance computing and communications	Science education and training
Total	\$3,569,644	\$79,530	\$3,067,160	\$2,924	\$42,491	\$377,539
NIA	28,147	-	13,000	-	-	15,147
NIAID	234,286	10,368	199,843	-	-	24,075
NIAMS	27,105	6,221	13,938	-	-	6,946
NCI	1,262,802	3,570	1,199,440	-	5,627	54,165
NICHD	130,448	2,450	106,846	-	-	21,152
NIDCD	15,475	-	10,133	-	-	5,342
NIDR	57,058	12,878	37,384	-	-	6,796
NIDDK	164,072	11,400	124,100	-	-	28,572
NIEHS	43,088	-	27,373	2,924	-	12,791
NEI	124,158	10,968	104,525	-	-	8,665
NIGMS	785,038	1,302	690,839	-	-	92,897
NHLBI	295,038	13,775	230,059	-	-	51,204
NINDS	55,768	2,228	37,709	-	-	15,831
FIC	400	-	360	-	-	40
NCHGR	104,887	-	99,836	-	-	5,051
NCNR	4,585	-	-	-	-	4,585
NCRR	187,482	4,370	156,450	-	12,593	14,069
NLM	36,469	-	15,325	-	17,475	3,669
OD	13,338	-	-	-	6,796 ^a	6,542

^a Includes obligations for DCRT.

Table 13

**NIH Obligations for International Programs
by Activity and NIH Component, Fiscal Year 1992**

(Thousands of Dollars)

NIH component	Total	Research grants			Contracts		Training awards			Inter-national travel	ICD program support
		Foreign grants & cooperative agreements	Foreign components of domestic grants	Special foreign currency grants ^a	Foreign contracts	Foreign components of domestic contracts	Foreign scientists in U.S.	U.S. scientists abroad	Bilateral exchanges		
Total	\$159,255	\$29,270	\$19,657	\$2,718	\$24,028	\$1,649	\$63,633	\$2,039	\$4,496	\$1,984	\$9,781
NIA	5,250	1,033	2,077	-	-	343	1,634	-	50	52	61
NIAID	22,888	2,840	4,823	108	8,686	19	5,405	27	-	460	520
NIAMS	2,340	291	316	121	150	-	1,164	-	218	27	53
NCI	39,247	6,741	4,056	1,854	9,506	804	14,025	140	1,308	445	368
NICHD	9,486	881	1,628	58	1,483	333	4,198	114	440	175	176
NIDCD	1,024	314	172	-	-	-	497	22	-	14	5
NIDR	3,915	901	439	-	78	-	2,411	-	-	58	28
NIDDK	10,521	2,532	418	72	-	-	7,060	-	179	112	148
NIEHS	4,689	890	203	88	417	-	2,554	-	245	127	165
NEI	5,971	1,571	236	-	1,423	-	2,315	51	98	91	186
NIGMS	2,265	1,757	266	-	-	-	-	238	-	4	-
NHLBI	13,509	2,897	2,029	270	2,285	-	4,718	44	630	87	549
NINDS	13,635	6,352	1,229	147	-	57	5,431	168	136	115	-
FIC	19,574	-	818	-	-	-	10,376	1,235	346	56	6,743
NCHGR	585	-	190	-	-	-	-	-	384	11	-
NCNR	12	-	6	-	-	-	-	-	-	6	-
NCRR	1,614	270	751	-	-	43	351	-	35	39	125
NLM	675	-	-	-	-	-	458	-	-	54	163
CC, DCRT, DRG, & OD	2,055	-	-	-	-	50	1,036	-	427	51	491

^a Special foreign currency funds (P.L. 480) are appropriated at the Office of the Assistant Secretary for Health, DHHS, and awarded and administered by NIH.

Source: Fogarty International Center

Table 14

**NIH Obligations for Prevention Research
by NIH Component, Fiscal Years 1983–1992**

(Thousands of Dollars)

NIH component	1983 ^a	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	\$957,152	\$1,075,712	\$1,180,370	\$1,233,385	\$1,492,612	\$1,591,892	\$1,707,232	\$1,773,806	\$2,030,995	\$2,186,943
NIA	43,110	60,213	84,834	85,595	104,957	118,477	131,996	145,147	186,827	208,108
NIAID	43,472	50,296	57,068	60,764	93,406	111,189	134,167	129,341	181,672	211,896
NIADDK	109,148	117,289	127,449	—	—	—	—	—	—	—
NIAMS	—	—	—	38,289	65,329	63,935	72,167	74,680	74,125	65,466
NCI	266,528	312,853	345,304	367,846	414,515	448,675	481,687	536,715 ^b	597,748 ^b	660,022 ^b
NICHD	100,467	106,514	118,957	117,865	145,683	165,681	181,895	179,747	196,905	212,600
NIDCD	—	—	—	—	—	—	18,879	11,463	14,141	15,584
NIDR	17,752	18,995	19,183	23,025	25,411	26,992	27,937	28,942	32,583	36,659
NIDDK	—	—	—	98,544	115,000	118,800	124,200	127,500	133,000	142,200
NIHES	138,797	152,508	163,123	158,388	174,923	180,411	187,184	189,452	199,439	207,877
NEI	43,240	40,753	39,282	41,461	55,295	48,468	48,648	47,805	46,204	44,818
NIGMS	2,462	2,675	2,930	4,258	4,240	4,599	3,962	4,100	5,403	5,153
NHLBI	121,519	137,400	145,532	145,636	173,051	177,206	179,510	184,000	191,780	205,894
NINCDS	37,183	40,055	38,395	38,128	57,722	70,439	—	—	—	—
NINDS	—	—	—	—	—	—	49,228	50,803	53,343	55,209
DRR/NCRR	28,529	30,671	33,052	47,346	54,597	51,741	60,325	53,234	106,608	100,813
FIC	4,945	5,490	5,261	4,066	3,164	—	—	—	420	3,038
NCNR	—	—	—	2,174	5,319	5,279	5,447	9,489	9,278	10,096
NLM	—	—	—	—	—	—	—	1,388	1,405	1,396
OD	—	—	—	—	—	—	—	—	114	114

^a In FY 1983 a new, broadened definition for disease prevention was introduced. See Definitions.

^b Total for primary prevention only, excluding biological carcinogenesis and some chemical and physical carcinogenesis research, is \$260 million in FY 1990, \$293 million in FY 1991, and \$344 million in FY 1992.

Source: Division of Disease Prevention

Table 15

**NIH Obligations for Nutrition Research and Training
by NIH Component, Fiscal Years 1983-1992**

(Thousands of Dollars)

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	\$164,306	\$192,918	\$207,316	\$212,978	\$260,611	\$276,195	\$286,975	\$292,359	\$310,810	\$343,787
NIA	4,391	4,757	4,608	5,329	6,934	7,625	8,494	10,070	15,693	19,163
NIAID	1,606	1,646	1,679	1,830	2,652	3,493	3,797	4,104	4,421	5,153
NIADDK	33,332	35,969	45,951	-	-	-	-	-	-	-
NIAMS	-	-	-	2,846	3,424	4,068	4,128	4,362	4,844	5,152
NCI	37,336	50,119	45,199	46,223	52,691	59,563	64,524	66,987	74,777	83,651
NICHD	20,164	24,152	26,835	27,662	32,932	34,384	31,247	28,857	31,702	32,882
NIDCD	-	-	-	-	-	-	1,174	1,974	2,113	2,405
NIDR	2,072	1,419	1,795	1,211	1,836	1,486	1,571	1,787	2,358	3,392
NIDDK	-	-	-	44,697	54,737	60,156	63,955	67,526	70,195	74,844
NIHHS	1,390	1,768	5,366	4,470	12,880	9,914	10,261	8,641	4,138	4,035
NEI	5,571	4,611	5,519	5,176	6,545	6,879	6,128	8,957	11,650	15,008
NIGMS	2,081	2,271	2,307	2,291	2,710	2,529	1,953	2,285	2,507	2,677
NHLBI	38,350	44,553	45,689	49,265	57,285	60,314	64,287	61,834	58,017	65,070
NINCDS	2,547	2,652	2,949	2,158	3,367	3,221	-	-	-	-
NINDS	-	-	-	-	-	-	1,095	1,143	1,866	1,873
DRR/NCRR	15,444	18,874	19,400	19,472	22,089	22,106	23,811	23,052	25,317	24,989
FIC	22	127	19	56	57	30	92	118	82	56
NCNR	-	-	-	292	472	427	459	665	1,129	3,437

Source: Division of Nutrition Research Coordination

Table 16

**Obligations for HIV and AIDS^a
by NIH and Other PHS Components,
Fiscal Years 1983–1993**

(Thousands of Dollars)

Component	1983	1984	1985	1986 ^b	1987	1988	1989	1990	1991	1992	1993 (est.)
PHS, total	\$28,736	\$61,460	\$108,618	\$233,812	\$502,455	\$924,321	\$1,325,771	\$1,584,732	\$1,873,158	\$1,962,267	\$2,078,167
NIH, total	21,668	44,121	63,737	134,667	260,907	430,570	627,101	740,509	799,821	840,210	1,073,262
NIA	–	–	–	–	184	361	443	859	985	1,072	1,114
NIAAA ^c	–	–	–	–	–	–	–	–	–	–	8,072
NIAID	9,223	19,616	23,273	63,276	145,760	223,298	311,277	393,083	430,940	448,940	459,697
NIAMS	–	–	–	–	100	561	673	1,238	1,633	1,694	1,795
NCI	9,790	16,627	26,874	45,050	63,755	89,944	122,247	150,304	160,869	165,668	173,230
NICHD	–	–	–	1,400	4,762	17,153	22,437	26,749	32,609	34,729	37,543
NIDCD	–	–	–	–	–	–	–	–	495	483	1,007
NIDR	25	81	97	1,712	3,247	3,850	3,920	4,662	6,214	8,154	8,286
NIDDK	–	–	–	–	495	3,330	3,557	5,306	6,290	7,172	6,804
NIDA ^c	–	–	–	–	–	–	–	–	–	–	127,123
NIEHS	–	–	–	–	216	3,896	4,138	4,258	4,514	4,216	4,379
NEI	45	60	200	96	253	3,830	4,828	5,533	5,680	5,902	6,198
NIGMS	–	–	–	–	5,420	7,724	10,830	14,614	15,588	16,100	16,850
NHLBI	1,202	4,871	9,323	15,468	17,244	24,885	38,088	42,056	46,406	46,206	48,058
NIMH ^c	–	–	–	–	–	–	–	–	–	–	79,145
NINCDS	684	1,510	1,168	1,435	3,685	12,342	–	–	–	–	–
NINDS	–	–	–	–	–	–	13,069	16,158	16,651	17,592	18,266

^a See Tables 50 and 51 for number of AIDS cases and deaths.

^b Includes reimbursements where applicable (funds appropriated to OD but transferred to Institutes to be awarded and administered).

^c In FY 1993 the three research institutes of ADAMHA were transferred to NIH, and ADAMHA was renamed the Substance Abuse and Mental Health Services Administration (SAMHSA).

^d In FY 1993 NCNR was made an institute and renamed NINR.

Source: Division of Financial Management
(Continued)

Table 16 (Cont.)

**Obligations for HIV and AIDS^a
by NIH and Other PHS Components,
Fiscal Years 1983-1993**

(Thousands of Dollars)

Component	1983	1984	1985	1986 ^b	1987	1988	1989	1990	1991	1992	1993 (est.)
NIH (cont.)											
DRR/NCRR	\$699	\$1,356	\$2,802	\$6,157	\$11,027	\$28,283	\$67,616	\$46,147	\$47,429	\$50,051	\$50,881
FIC	-	-	-	-	-	4,505	4,619	4,898	5,351	5,593	5,684
NCNR/NINR ^d	-	-	-	-	-	602	702	987	2,545	2,710	3,272
NLM	-	-	-	-	-	-	20	493	519	1,057	1,101
OD	-	-	-	73	4,759	5,636	12,865	10,284	11,737	15,113	14,757
Buildings and facilities	-	-	-	-	-	370	5,772	12,880	3,366	7,758	-
ADAMHA/SAMHSA,^c											
total	516	2,791	2,578	12,155	47,504	112,257	173,336	213,814	234,501	235,424	25,655
NIAAA	-	-	-	-	2,370	4,793	6,130	7,980	7,996	7,990	-
NIDA	314	1,586	678	6,929	20,230	33,848	60,824	92,635	122,688	125,269	-
NIMH	-	1,205	1,802	5,060	10,470	31,188	48,373	63,331	72,720	76,140	-
Other ADAMHA	202	-	98	166	14,434	42,428	58,009	49,868	31,097	26,025	-
Other PHS, total											
CDC	6,552	14,548	42,303	86,990	194,044	381,494	525,334	630,409	838,836	886,633	979,250
FDA	6,202	13,750	33,298	62,152	136,007	304,942	377,592	442,812	496,951	479,620	498,253
FDA	350	798	9,005	9,527	15,774	34,517	73,775	57,428	63,395	72,302	72,399
HRSA	-	-	-	15,311	11,900	36,956	59,932	112,467	261,116	316,612	390,341
IHS	-	-	-	-	-	-	800	2,670	1,803	3,170	3,303
OASH	-	-	-	-	30,363	4,046	6,405	6,562	5,334	4,794	5,330
AHCPR	-	-	-	-	-	1,033	6,830	8,470	10,237	10,135	9,624

See footnotes on first page of table.

Table 17

NIH Obligations for HIV and AIDS^a by NIH Component and Functional Category, Fiscal Year 1993 (est.)

(Thousands of Dollars)

NIH component	Total	Basic science research						Risk assessment and prevention		Clin. health services research and delivery	
		Biomedical research	Neuroscience & neuro-psychiatric research	Behavioral research	Therapeutic agents	Vaccines	Research training & extramural construct.	Surveillance	Population-based research	Information & education/preventive services	Health services grants
Total	\$1,073,262	\$229,846	\$51,842	\$127,956	\$388,504	\$88,721	\$16,525	\$5,755	\$150,844	\$9,027	\$4,242
NIA	1,114	854	-	260	-	-	-	-	-	-	-
NIAAA	8,072	3,738	1,049	2,205	-	-	-	201	723	156	-
NIAID	459,697	87,333	3,495	594	237,308	62,126	4,355	-	63,088	1,398	-
NIAMS	1,795	1,330	-	-	465	-	-	-	-	-	-
NCI	173,230	48,688	-	-	91,171	13,588	-	1,974	17,809	-	-
NICHD	37,543	5,797	124	-	12,115	-	-	-	17,533	1,974	-
NIDCD	1,007	1,007	-	-	-	-	-	-	-	-	-
NIDR	8,286	6,826	197	-	331	-	-	80	633	-	219
NIDDK	6,804	5,994	-	-	810	-	-	-	-	-	-
NIDA	127,123	8,900	6,600	93,294	-	-	1,329	3,500	11,500	2,000	-
NIEHS	4,379	281	-	-	4,098	-	-	-	-	-	-
NEI	6,198	784	-	-	5,414	-	-	-	-	-	-
NIGMS	16,850	10,966	-	-	-	-	5,884	-	-	-	-
NHLBI	48,058	17,473	-	58	5,346	1,772	-	-	22,703	-	706
NIMH	79,145	14,423	20,567	29,018	848	-	3,739	-	8,888	107	1,555
NINDS	18,266	-	18,266	-	-	-	-	-	-	-	-
NINR	3,272	653	-	563	-	-	218	-	76	-	1,762
FIC	5,684	1,142	-	-	-	2,851	-	-	1,691	-	-
NCRR	50,881	13,543	1,544	1,907	20,117	8,144	-	-	5,617	9	-
NLM	1,101	-	-	-	-	-	-	-	-	1,101	-
OD	14,757	114	-	57	10,481	240	1,000	-	583	2,282	-

^a See Tables 50 and 51 for numbers of AIDS cases and deaths.

Table 18

**NIH Obligations for Biotechnology^a Research
by NIH Component, Fiscal Years 1985-1992**

(Thousands of Dollars)

NIH component	1985	1986	1987	1988	1989	1990	1991 ^a	1992
Total	\$1,905,182	\$1,950,194	\$2,275,951	\$2,497,112	\$2,805,234	\$2,970,992	\$3,318,324	\$3,067,160
NIA	13,912	14,775	20,328	20,222	22,017	22,373	12,633	13,000
NIAID	224,828	229,300	297,003	354,879	406,415	448,122	463,625	199,843
NIADDK	260,148	-	-	-	-	-	-	-
NIAMS	-	52,697	48,903	45,839	48,972	47,187	13,312	13,938
NCI	561,325	559,281	645,588	685,185	800,367	841,221	945,206	1,199,440
NICHD	123,673	122,837	161,215	166,439	182,744	206,885	227,422	106,846
NIDCD	-	-	-	-	26,191	33,828	5,383	10,133
NIDR	20,802	21,579	22,003	22,359	19,931	21,027	35,522	37,384
NIDDK	-	210,400	246,660	257,300	269,482	280,078	298,000	124,100
NIEHS	13,438	13,714	14,556	15,046	15,573	22,185	24,248	27,373
NEI	35,225	33,780	37,695	41,491	53,941	63,701	91,932	104,525
NIGMS	282,169	308,775	356,100	391,406	405,426	419,672	634,654	690,839
NHLBI	145,215	150,226	169,980	183,930	203,156	216,360	110,006	230,059
NINCDS	142,413	149,758	158,989	203,667	-	-	-	-
NINDS	-	-	-	-	176,043	176,698	192,084	37,709
DRR/NCRR	82,034	82,972	96,181	105,519	139,611	105,383	169,893	156,450
FIC	-	-	-	-	-	-	340	360
NCHGR	-	-	-	-	27,546	56,725	83,681	99,836
NLM	-	100	750	3,830	7,819	9,547	10,383	15,325

^a See Definitions. Beginning in 1991, data are based on a revised biotechnology definition developed by the Federal Coordinating Council for Science, Engineering, and Technology (FCCSET).

Source: Division of Financial Management

Table 19

**NIH Obligations for Clinical Trials by NIH Component,
Fiscal Years 1983-1992**
(Thousands of Dollars)

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	\$225,700	\$249,321	\$310,921	\$336,387	\$444,375	\$508,251	\$518,852	\$609,738	\$745,182	\$863,692
NIA	-	1,000	5,395	4,943	4,701	4,766	3,520	7,686	15,195	19,096
NIAID	8,285	9,828	16,436	36,145	53,855	79,935	101,813	145,729	183,015	216,727
NIADDK	10,310	16,898	22,676	-	-	-	-	-	-	-
NIAMS	-	-	-	3,177	5,220	6,845	5,713	5,288	6,717	7,595
NCI	135,129	151,667	166,656	175,568	207,370	211,929	212,855	245,954	254,420	314,465
NICHD	10,429	10,975	18,379	16,395	23,957	31,144	31,423	38,701	47,291	49,586
NIDCD	-	-	-	-	-	-	2,986	4,413	3,830	6,265
NIDR	1,777	1,733	1,606	1,504	4,514	5,603	6,645	7,102	4,401	4,916
NIDDK	-	-	-	20,660	28,379	32,377	30,202	32,400	39,665	46,312
NEI	10,344	11,141	20,709	20,834	25,079	30,235	29,139	24,082	24,244	28,644
NHLBI	41,316	36,819	51,469	50,924	69,959	76,595	77,022	74,396	88,228	81,245
NINCDS	8,110	9,260	7,595	6,237	17,737	21,503	-	-	-	-
NINDS	-	-	-	-	-	-	17,534	23,987	25,167	32,604
NCRR	-	-	-	-	-	-	-	-	53,009	56,237
NCNR	-	-	-	-	3,604	7,319	-	-	-	-

Source: Division of Financial Management

Table 20

**NIH Awards by Funding Mechanism,
Fiscal Years 1983-1992**

(Dollars in Millions)

Funding mechanism	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>AMOUNT</i>										
Total	\$3,246.4	\$3,657.6	\$4,248.1	\$4,426.6	\$5,194.2	\$5,544.8	\$6,009.0	\$6,281.8	\$6,790.9	\$7,379.1
Research grants	2,702.3	3,087.0	3,591.3	3,739.1	4,401.2	4,727.3	5,054.7	5,239.8	5,706.7	6,220.5
R&D contracts	370.3	394.7	417.7	462.6	544.4	565.1	657.2	714.9	728.5	805.6
Research training	171.1	173.2	224.0	217.1	238.8	245.7	261.0	292.2	313.5	319.2
Individual awards	34.4	34.4	46.4	42.8	46.6	45.0	45.9	50.9	55.0	56.1
Institutional awards	136.7	138.8	177.5	174.4	192.1	200.6	215.1	241.4	258.5	263.1
Construction grants	1.5	1.0	12.1	5.0	6.9	-	-	14.8	21.6	15.4
Grants for repair, renovation, and modernization of existing research facilities	-	-	-	-	-	-	28.9	11.0	10.8	8.5
Other	1.2	1.7	3.0	2.8	3.0	6.7	7.2	9.0	9.6	9.9
<i>NUMBER</i>										
Research grants	20,779	21,535	22,958	23,445	25,026	25,754	26,022	25,725	26,920	27,037
R&D contracts	1,110	1,150	1,335	1,298	1,257	1,252	1,311	1,332	1,366	1,385
Research training	3,096	3,119	3,341	3,157	3,404	3,348	3,277	3,503	3,693	3,755
Individual awards	1,756	1,759	1,985	1,823	2,032	1,944	1,845	2,046	2,154	2,176
Institutional awards	1,340	1,360	1,356	1,334	1,372	1,404	1,432	1,457	1,539	1,579
Construction grants	3	3	33	29	35	-	-	7	7	11

Source: Information Systems Branch, DRG

Table 21

NIH Awards by NIH Component and Funding Mechanism, Fiscal Year 1992

(Dollars in Thousands)

NIH component	Total amount	Research grants								Research and development contracts		Research training				Other awards	
		Total grants		Project grants		Center grants		Other grants				Individual awards		Institutional awards			
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	\$7,379,133	27,037	\$6,220,538	22,207	\$4,954,941	757	\$789,158	4,073	\$476,439	1,385	\$805,586	2,176	\$56,057	1,579	\$263,141	93	\$33,811
NIA	309,749	1,144	289,221	953	231,715	42	45,314	149	12,192	14	9,160	30	698	66	10,669	-	-
NIAID	796,378	2,690	629,878	2,468	600,362	27	14,782	195	14,734	146	145,563	127	3,587	115	17,350	-	-
NIAMS	179,325	827	168,588	694	138,465	30	22,520	103	7,603	16	4,374	41	1,077	56	5,285	-	-
NCI	1,536,553	4,220	1,167,640	3,410	878,009	90	145,112	720	144,519	578	321,646	156	4,104	184	32,350	7	10,813
NICHD	429,961	1,773	365,984	1,464	282,947	77	49,865	232	33,172	92	46,238	104	2,796	122	14,943	-	-
NIDCD	134,235	636	126,153	517	104,011	17	16,303	102	5,838	10	3,932	29	761	28	3,389	-	-
NIDR	117,163	577	107,174	409	75,910	28	18,508	140	12,756	19	4,042	35	978	53	4,968	-	-
NIDDK	556,215	2,505	516,538	2,181	456,163	47	40,559	277	19,815	30	15,357	132	3,922	179	20,398	-	-
NIEHS	216,286	513	152,093	430	111,644	18	16,934	65	23,515	105	53,543	54	1,337	44	9,313	-	-
NEI	233,966	1,299	220,700	1,036	180,886	29	7,650	234	32,164	14	4,956	84	2,157	35	5,048	1	1,106
NIGMS	811,137	3,758	714,520	3,459	649,050	8	6,752	291	58,719	2	2,457	589	14,169	354	79,991	-	-
NHLBI	1,034,567	3,480	876,311	2,887	738,335	67	96,510	526	41,466	176	108,987	221	6,383	218	39,867	2	3,018
NINDS	479,967	2,126	449,105	1,839	398,463	42	31,455	245	19,187	51	17,666	165	4,174	66	9,021	-	-
FIC	13,003	43	1,028	-	-	-	-	43	1,028	-	-	209	6,602	4	790	13	4,582
NCHGR	95,294	243	93,161	183	60,626	14	29,352	46	3,184	1	35	30	808	10	1,290	-	-
NCNR	44,196	222	39,852	172	33,908	7	1,667	43	4,277	-	-	154	2,020	18	2,323	-	-
NCRR	306,244	921	290,656	105	14,446	214	245,875	602	30,335	9	3,920	7	185	17	2,486	49	8,997
NLM	53,484	60	11,933	-	-	-	-	60	11,933	103	32,298	9	296	10	3,661	21	5,294
Other ^a	31,412	-	-	-	-	-	-	-	-	19	31,412	-	-	-	-	-	-

^a CC, DRG, OD, and Women's Health Initiative.

Source: Information Systems Branch, DRG

Table 22

**NIH Awards by NIH Component and Funding
Mechanism, Fiscal Years 1983-1992**

(Millions of Dollars)

NIH component and funding mechanism	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	\$3,246.4	\$3,657.6	\$4,248.1	\$4,426.6	\$5,194.2	\$5,544.8	\$6,009.0	\$6,281.8	\$6,790.9	\$7,379.1
NIA	68.1	86.9	107.6	115.8	137.7	153.5	177.1	187.5	261.3	309.7
Research grants	60.4	77.4	97.1	105.9	126.7	140.3	162.0	172.9	245.2	289.2
R&D contracts	5.0	6.9	6.3	4.8	4.5	5.7	6.9	5.5	5.4	9.2
Research training	2.6	2.6	4.2	5.1	6.5	7.5	8.2	9.1	10.7	11.4
NIAID	218.9	252.8	300.3	335.4	453.9	538.9	622.1	698.6	759.3	796.4
Research grants	189.0	216.2	256.4	258.6	355.2	444.3	494.2	548.7	592.9	629.9
R&D contracts	21.4	28.2	32.6	66.0	87.2	81.6	113.6	131.7	146.4	145.6
Research training	8.4	8.4	11.4	10.7	11.5	13.0	14.3	18.2	20.0	20.9
NIAMS	71.7	82.2	100.5	101.8	126.8	132.3	143.2	148.2	170.0	179.3
Research grants	66.7	76.9	92.6	93.9	117.8	123.1	134.3	139.0	160.7	168.6
R&D contracts	1.1	1.2	1.7	2.2	2.6	2.9	2.6	2.8	3.0	4.4
Research training	3.9	4.1	6.1	5.7	6.4	6.3	6.3	6.5	6.3	6.4
NCI	758.3	838.3	924.3	962.5	1,107.8	1,143.2	1,225.1	1,300.3	1,350.7	1,536.6
Research grants	562.8	635.0	703.6	743.6	848.6	874.9	929.1	948.6	1,014.3	1,167.6
R&D contracts	169.4	177.7	184.3	189.2	225.2	237.1	263.5	302.9	278.1	321.6
Research training	24.7	24.6	31.0	29.8	31.5	31.2	32.5	35.1	36.6	36.5
Construction grants	1.5	1.0	5.5	-	2.5	-	-	13.7	21.6	10.8
NICHD	206.3	223.4	256.2	256.5	304.5	321.9	348.1	356.7	396.5	430.0
Research grants	178.6	196.6	221.5	222.4	267.2	279.8	303.3	307.0	338.3	366.0
R&D contracts	17.6	16.7	20.8	20.1	23.1	27.9	31.1	34.6	41.3	46.2
Research training	10.2	10.1	14.0	14.1	14.3	14.2	13.8	15.1	16.9	17.7
NIDCD	-	-	-	-	-	-	88.3	106.3	120.9	134.2
Research grants	-	-	-	-	-	-	84.7	101.2	115.9	126.2
R&D contracts	-	-	-	-	-	-	1.1	2.0	1.8	3.9
Research training	-	-	-	-	-	-	2.5	3.1	3.2	4.2

^a Less than \$0.1 million.

^b CC, DRG, OD, and Women's Health Initiative.

Source: Information Systems Branch, DRG
(Continued)

Table 22 (Cont.)

**NIH Awards by NIH Component and Funding
Mechanism, Fiscal Years 1983-1992**

(Millions of Dollars)

NIH component and funding mechanism	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
NIDR	\$54.1	\$62.8	\$72.8	\$71.6	\$85.3	\$92.5	\$95.7	\$96.8	\$109.3	\$117.2
Research grants	48.4	55.8	64.0	63.8	75.7	83.5	87.1	88.4	99.3	107.2
R&D contracts	1.8	3.1	4.0	3.4	4.4	3.7	3.4	2.6	4.0	4.0
Research training	3.9	3.8	4.8	4.3	5.2	5.3	5.2	5.8	6.0	5.9
NIDDK	272.9	307.3	360.1	369.1	434.3	452.1	472.9	483.9	514.0	556.2
Research grants	252.0	286.4	332.3	340.9	403.1	419.9	439.1	448.1	474.7	516.5
R&D contracts	5.7	5.9	7.2	8.5	10.3	10.7	12.2	12.5	15.4	15.4
Research training	15.3	15.0	20.6	19.7	20.9	21.5	21.6	23.4	23.9	24.3
NIEHS	100.4	110.0	125.8	130.0	153.5	158.6	172.1	188.7	199.1	216.3
Research grants	52.9	61.0	69.3	70.9	93.1	95.7	104.1	121.2	133.3	152.1
R&D contracts	40.7	42.3	48.0	51.0	51.5	54.1	59.1	57.1	55.1	53.5
Research training	6.8	6.8	8.5	8.1	8.9	8.8	8.9	10.3	10.7	10.7
NEI	120.4	131.9	156.4	164.9	191.0	196.4	199.5	201.8	216.8	234.0
Research grants	111.2	122.1	140.9	150.2	176.4	184.3	188.5	190.6	204.8	220.7
R&D contracts	5.3	6.0	7.0	6.3	6.7	6.5	5.0	3.6	4.8	5.0
Research training	3.9	3.9	5.2	5.3	5.6	5.6	6.0	7.0	7.2	7.2
Construction grants	-	-	3.3	3.1	2.3	-	-	0.5	-	1.1
NIGMS	357.1	402.5	466.5	483.2	562.5	622.5	664.5	701.4	755.2	811.1
Research grants	306.6	352.0	406.9	426.4	493.8	550.5	582.3	610.3	655.3	714.5
R&D contracts	1.5	1.5	1.7	1.4	4.1	5.4	6.6	5.9	4.9	2.5
Research training	49.1	49.1	57.9	55.3	64.6	66.6	75.6	85.2	95.1	94.2
NHLBI	531.3	606.0	703.1	728.7	826.2	855.7	923.5	933.8	974.3	1,034.6
Research grants	446.1	516.6	595.7	619.2	700.0	728.8	782.3	784.6	821.9	876.3
R&D contracts	58.8	61.0	64.5	69.4	84.9	87.7	101.7	104.5	107.1	109.0
Research training	26.4	28.4	39.7	38.4	39.1	39.2	39.5	44.0	45.3	46.3
Construction grants	-	-	3.2	1.7	2.2	-	-	0.7	-	3.0

See footnotes on first page of table.

(Continued)

Table 22 (Cont.)

**NIH Awards by NIH Component and Funding
Mechanism, Fiscal Years 1983-1992**

(Millions of Dollars)

NIH component and funding mechanism	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
NINDS	\$235.6	\$270.7	\$326.6	\$349.5	\$417.6	\$452.5	\$392.4	\$402.2	\$446.6	\$480.0
Research grants	211.2	244.2	299.0	324.4	390.2	427.0	368.0	378.0	415.9	449.1
R&D contracts	14.8	16.8	14.4	12.5	13.5	11.6	11.4	11.3	17.4	17.7
Research training	9.7	9.7	13.2	12.6	13.9	13.8	13.0	12.9	13.3	13.2
DDR/NCRR	216.3	247.9	313.1	310.1	337.3	355.8	398.5	328.0	328.1	306.2
Research grants	211.9	243.5	306.3	303.3	331.1	349.3	363.4	310.1	310.7	290.7
R&D contracts	3.6	3.6	5.6	5.7	4.9	4.3	3.7	4.4	3.8	3.9
Research training	0.7	0.7	1.3	1.2	1.4	2.2	2.5	2.5	2.7	2.7
Other	-	-	-	-	-	-	28.9	11.0	10.8	9.0
FIC	5.2	5.4	5.2	4.8	5.1	8.7	8.8	10.2	11.1	13.0
Research grants	-	-	-	-	-	0.1	-	-	-	1.0
R&D contracts	0.2	0.1	-	0.1	0.2	0.1	- ^a	-	-	-
Research training	4.9	5.2	5.2	4.8	4.9	5.3	5.1	6.1	6.6	7.4
Other	-	-	-	-	-	3.2	3.7	4.1	4.4	4.6
NCHGR	-	-	-	-	-	-	-	51.8	78.8	95.3
Research grants	-	-	-	-	-	-	-	50.7	77.1	93.2
R&D contracts	-	-	-	-	-	-	-	0.4	-	- ^a
Research training	-	-	-	-	-	-	-	0.7	1.7	2.1
NCNR	-	-	-	10.8	17.6	22.3	28.2	32.8	39.1	44.2
Research grants	-	-	-	9.8	15.5	19.7	24.8	28.6	34.8	40.0
R&D contracts	-	-	-	-	-	-	-	-	-	-
Research training	-	-	-	1.0	2.1	2.6	3.4	4.1	4.3	4.3
NLM	15.8	16.3	18.9	19.9	24.3	29.3	36.4	44.4	48.7	53.5
Research grants	4.5	3.2	5.7	6.0	6.8	6.2	7.4	11.8	11.5	11.9
R&D contracts	9.4	10.5	9.0	10.1	12.4	17.0	22.9	24.7	29.0	32.3
Research training	0.7	0.8	1.1	1.1	2.1	2.6	2.6	3.0	3.0	4.0
Other	1.2	1.7	3.0	2.8	3.0	3.5	3.5	4.9	5.2	5.3
Other^b	14.1	13.4	10.8	12.0	8.9	8.6	12.5	8.5	11.1	31.4
R&D contracts	14.1	13.4	10.8	12.0	8.9	8.6	12.5	8.5	11.1	31.4

See footnotes on first page of table.

Table 23

NIH Awards by Kind of Performing Institution, Fiscal Years 1983-1992

(Dollars in Thousands)

Performing institution	1983		1984		1985		1986		1987	
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
Total	\$3,246,415	100.0%	\$3,657,638	100.0%	\$4,248,136	100.0%	\$4,426,607	100.0%	\$5,194,164	100.0%
Domestic	3,225,477	99.4	3,632,244	99.3	4,223,876	99.4	4,400,434	99.4	5,161,360	99.4
Nonprofit	3,055,923	94.1	3,420,165	93.5	4,006,153	94.3	4,162,995	94.0	4,877,088	93.9
Higher education ^a	2,439,288	75.1	2,739,044	74.9	3,211,026	75.6	3,326,954	75.2	3,886,263	74.8
Medical schools ^b	(1,688,775)	(52.0)	(1,899,275)	(51.9)	(2,223,001)	(52.3)	(2,295,226)	(51.9)	(2,688,815)	(51.8)
Government	44,307	1.4	47,719	1.3	54,077	1.3	52,669	1.2	61,067	1.2
Federal	2,960	0.1	2,929	0.1	4,277	0.1	6,305	0.1	5,346	0.1
Research institutes	2,182	0.1	1,930	0.1	3,257	0.1	3,806	0.1	3,528	0.1
Hospitals	694	- ^c	928	- ^c	851	- ^c	640	- ^c	828	- ^c
Other	84	- ^c	71	- ^c	169	- ^c	1,858	- ^c	990	- ^c
State and local	41,347	1.3	44,789	1.2	49,800	1.2	46,365	1.0	55,721	1.1
Research institutes	1,611	- ^c	1,901	0.1	1,969	- ^c	1,925	- ^c	3,220	0.1
Hospitals	29,245	0.9	33,714	0.9	36,945	0.9	33,362	0.8	41,100	0.8
Other	10,491	0.3	9,174	0.3	10,886	0.3	11,078	0.3	11,402	0.2
Other nonprofit	572,328	17.6	633,403	17.3	741,050	17.4	783,371	17.7	929,758	17.9
Research institutes	304,610	9.4	334,374	9.1	386,553	9.1	408,609	9.2	476,328	9.2
Hospitals ^d	206,909	6.4	234,091	6.4	286,646	6.7	298,245	6.7	364,769	7.0
Other	60,808	1.9	64,938	1.8	67,851	1.6	76,518	1.7	88,660	1.7
For-profit	169,554	5.2	212,079	5.8	217,723	5.1	237,439	5.4	284,272	5.5
Research institutes	70,991	2.2	85,555	2.3	80,172	1.9	78,032	1.8	79,785	1.5
Other	98,563	3.0	126,524	3.5	137,551	3.2	159,407	3.6	204,487	3.9
Foreign ^e	20,938	0.6	25,395	0.7	24,260	0.6	26,173	0.6	32,803	0.6

^a Includes all hospitals owned by these institutions.^b Includes basic health-science departments administered by schools of medicine or medicine/dentistry.^c Less than 0.05 percent.^d Hospitals not owned by institutions classified as higher education, government, or research institutes.^e Awards to U.S. citizens working abroad as well as to foreign nationals.Source: Information Systems Branch, DRG
(Continued)

Table 23 (Cont.)

**NIH Awards by Kind of Performing Institution,
Fiscal Years 1983-1992**

(Dollars in Thousands)

Performing institution	1988		1989		1990		1991		1992	
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
Total	\$5,544,828	100.0%	\$6,008,998	100.0%	\$6,281,772	100.0%	\$6,790,869	100.0%	\$7,379,133	100.0%
Domestic	5,505,449	99.3	5,966,966	99.3	6,244,388	99.4	6,746,365	99.3	7,325,183	99.3
Nonprofit	5,183,864	93.5	5,588,427	93.0	5,807,270	92.4	6,297,462	92.7	6,854,589	92.9
Higher education ^a	4,136,050	74.6	4,444,948	74.0	4,613,777	73.4	5,002,141	73.7	5,408,823	73.3
Medical schools ^b	(2,867,163)	(51.7)	(3,059,636)	(50.9)	(3,200,583)	(51.0)	(3,443,141)	(50.7)	(3,742,487)	(50.7)
Government	59,316	1.1	59,791	1.0	59,232	0.9	63,228	0.9	65,217	0.9
Federal	5,247	0.1	4,915	0.1	4,210	0.1	2,950	- ^c	3,703	0.1
Research institutes	3,208	0.1	2,652	- ^c	2,039	- ^c	1,711	- ^c	2,142	- ^c
Hospitals	973	- ^c	1,075	- ^c	995	- ^c	867	- ^c	1,100	- ^c
Other	1,065	- ^c	1,188	- ^c	1,176	- ^c	372	- ^c	461	- ^c
State and local	54,069	1.0	54,876	0.9	55,022	0.9	60,278	0.9	61,514	0.8
Research institutes	4,606	0.1	4,605	0.1	3,284	0.1	5,775	0.1	7,147	0.1
Hospitals	39,917	0.7	37,709	0.6	38,364	0.6	36,791	0.5	39,268	0.5
Other	9,546	0.2	12,561	0.2	13,373	0.2	17,712	0.3	15,099	0.2
Other nonprofit	988,499	17.8	1,083,688	18.0	1,134,262	18.1	1,232,093	18.1	1,380,549	18.7
Research institutes	504,763	9.1	547,417	9.1	566,536	9.0	597,293	8.8	683,621	9.3
Hospitals ^d	385,535	7.0	429,189	7.1	454,665	7.2	500,220	7.4	539,392	7.3
Other	98,200	1.8	107,083	1.8	113,061	1.8	134,579	2.0	157,535	2.1
For-profit	321,585	5.8	378,539	6.3	437,118	7.0	448,903	6.6	470,594	6.4
Research institutes	88,592	1.6	103,097	1.7	108,732	1.7	122,941	1.8	127,616	1.7
Other	232,993	4.2	275,442	4.6	328,386	5.2	325,962	4.8	342,977	4.6
Foreign ^e	39,379	0.7	42,032	0.7	37,384	0.6	44,504	0.7	53,950	0.7

See footnotes on first page of table.

Table 24

NIH Awards by Kind of Performing Institution and Funding Mechanism, Fiscal Year 1992

(Dollars in Thousands)

Performing institution	Total			Research grants								
	No. of inst. ^a	Amount	Percent	Total grants			Project grants		Center grants		Other grants	
				No. of inst. ^a	Amount	Percent	Number	Amount	Number	Amount	Number	Amount
Total	1,913	\$7,379,133	100.0%	1,554	\$6,220,538	100.0%	22,207	\$4,954,941	757	\$789,158	4,073	\$476,439
Domestic	1,772	7,325,183	99.3	1,453	6,191,267	99.5	22,016	4,928,483	753	787,664	4,058	475,120
Nonprofit	1,019	6,854,589	92.9	901	6,074,221	97.6	21,164	4,815,327	750	786,787	4,039	472,107
Higher education ^b	458	5,408,823	73.3	441	4,866,768	78.2	17,568	3,870,686	628	650,614	3,142	345,468
Medical schools ^c	126	3,742,487	50.7	126	3,398,851	54.6	11,528	2,676,825	473	509,773	1,850	212,253
Government	90	65,217	0.9	59	53,749	0.9	209	39,321	6	8,555	40	5,873
Federal	28	3,703	0.1	10	1,620	— ^d	12	1,557	—	—	1	63
Research institutes	19	2,142	— ^d	2	94	— ^d	2	94	—	—	—	—
Hospitals	8	1,100	— ^d	7	1,066	— ^d	9	1,003	—	—	1	63
Other	1	461	— ^d	1	461	— ^d	1	461	—	—	—	—
State and local	62	61,514	0.8	49	52,129	0.8	197	37,764	6	8,555	39	5,811
Research institutes	4	7,147	0.1	4	7,073	0.1	46	6,894	—	—	5	179
Hospitals	13	39,268	0.5	13	37,062	0.6	112	24,352	4	8,147	26	4,563
Other	45	15,099	0.2	32	7,994	0.1	39	6,518	2	407	8	1,069
Other nonprofit	471	1,380,549	18.7	401	1,153,704	18.5	3,387	905,319	116	127,619	857	120,766
Research institutes	179	683,621	9.3	165	553,120	8.9	1,603	452,981	56	68,127	248	32,012
Hospitals ^e	148	539,392	7.3	133	489,786	7.9	1,529	399,173	46	47,931	433	42,682
Other	144	157,535	2.1	103	110,798	1.8	255	53,166	14	11,561	176	46,072
For-profit	753	470,594	6.4	552	117,047	1.9	852	113,157	3	877	19	3,013
Research institutes	66	127,616	1.7	39	21,551	0.3	101	20,816	1	288	4	447
Other	687	342,977	4.6	513	95,496	1.5	751	92,341	2	589	15	2,566
Foreign ^f	141	53,950	0.7	101	29,270	0.5	191	26,457	4	1,494	15	1,319

^a A multicampus university (including its components) is counted as one; separately organized components of a university system are counted individually.^b Includes hospitals owned by these institutions.^c Includes basic health-science departments administered by schools of medicine or medicine/dentistry.^d Less than 0.05 percent.^e Hospitals not owned by institutions classified as higher education, government, or research institutes.^f Awards to U.S. citizens abroad as well as to foreign nationals.Source: Information Systems Branch, DRG
(Continued)

Table 24 (Cont.)

NIH Awards by Kind of Performing Institution and Funding Mechanism, Fiscal Year 1992

(Dollars in Thousands)

Performing institution	R&D contracts			Research training						Other awards	
	No. of inst. ^a	Number	Amount	Total		Individual awards		Institutional awards		No. of inst. ^a	Amount
				No. of inst. ^a	Amount	Number	Amount	Number	Amount		
Total	532	1,385	\$805,586	385	\$319,198	2,176	\$56,057	1,579	\$263,141	81	\$33,811
Domestic	491	1,334	781,558	360	318,546	2,149	55,405	1,579	263,141	81	33,811
Nonprofit	256	755	428,079	357	318,479	2,146	55,338	1,579	263,141	81	33,811
Higher education^b	106	426	229,206	238	286,827	1,811	45,571	1,421	241,256	56	26,023
Medical schools ^c	79	286	135,737	110	189,604	960	26,083	961	163,521	28	18,295
Government	21	28	8,632	21	2,747	60	2,184	6	563	2	88
Federal	-	-	-	17	2,068	55	2,068	-	-	1	14
Research institutes	-	-	-	16	2,034	54	2,034	-	-	1	14
Hospitals	-	-	-	1	34	1	34	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
State and local	21	28	8,632	4	679	5	116	6	563	1	74
Research institutes	-	-	-	1	74	3	74	-	-	-	-
Hospitals	2	5	1,743	2	463	2	42	5	422	-	-
Other	19	23	6,890	1	141	-	-	1	141	1	74
Other nonprofit	129	301	190,241	98	28,905	275	7,582	152	21,322	23	7,700
Research institutes	51	169	117,827	54	10,021	156	4,079	48	5,943	9	2,653
Hospitals ^e	40	69	29,694	31	15,836	104	3,124	83	12,712	9	4,076
Other	38	63	42,719	13	3,047	15	380	21	2,668	5	971
For-profit	235	579	353,480	3	67	3	67	-	-	-	-
Research institutes	38	125	106,044	1	22	1	22	-	-	-	-
Other	197	454	247,436	2	45	2	45	-	-	-	-
Foreign ^f	41	51	24,028	25	652	27	652	-	-	-	-

See footnotes on first page of table.

Table 25

**NIH Awards by NIH Component and
Kind of Performing Institution, Fiscal Year 1992**

(Thousands of Dollars)

NIH component	Total	Domestic nonprofit institutions								Domestic profit institutions			Foreign ^d
		Total	Higher education ^a				Other nonprofit			Total	Research institutes	Other	
			Total	Medical schools ^b	Other health professional schools	Other	Research institutes	Hospitals ^c	Other				
Total	\$7,379,133	\$6,854,589	\$5,408,823	\$3,742,487	\$527,908	\$1,138,428	\$692,910	\$579,760	\$173,095	\$470,594	\$127,616	\$342,977	\$53,950
NIA	309,749	299,854	257,332	186,419	13,774	57,139	15,419	20,616	6,487	8,862	2,586	6,276	1,033
NIAID	796,378	736,840	580,876	437,641	65,643	77,591	60,827	80,241	14,896	47,982	15,686	32,296	11,556
NIAMS	179,325	175,955	137,090	116,055	8,873	12,163	9,887	26,520	2,457	2,929	250	2,680	441
NCI	1,536,553	1,280,527	837,771	631,712	88,780	117,279	245,763	140,035	56,958	239,727	53,320	186,407	16,298
NICHD	429,961	397,287	311,569	190,578	25,493	95,498	43,945	36,731	5,042	30,310	21,751	8,559	2,364
NIDCD	134,235	131,400	105,469	60,700	3,923	40,846	10,475	10,777	4,679	2,498	–	2,498	337
NIDR	117,163	113,147	99,162	22,044	70,816	6,302	9,570	2,593	1,821	3,036	529	2,507	980
NIDDK	556,215	543,840	441,764	375,623	15,485	50,655	32,905	61,957	7,214	9,843	1,605	8,238	2,532
NIHS	216,286	194,289	141,031	66,521	39,714	34,796	33,528	3,578	16,152	20,690	8,942	11,748	1,307
NEI	233,966	225,706	191,448	140,078	17,307	34,063	17,502	14,148	2,609	5,215	42	5,173	3,045
NIGMS	811,137	796,199	712,891	305,271	27,755	379,865	60,739	17,789	4,781	12,942	2,387	10,555	1,995
NHLBI	1,034,567	996,151	790,941	655,285	67,913	67,743	71,221	105,462	28,526	33,187	12,774	20,413	5,229
NINDS	479,967	461,758	399,779	326,127	13,790	59,863	21,985	33,271	6,722	11,685	1,868	9,817	6,524
FIC	13,003	12,965	10,593	5,468	3,909	1,216	1,694	602	76	–	–	–	38
NCHGR	95,294	89,288	70,501	49,530	1,099	19,872	11,594	6,561	633	6,005	3,726	2,279	1
NCNR	44,196	43,745	42,241	4,392	36,953	896	508	776	220	451	251	199	–
NCRR	306,244	298,670	255,411	155,841	24,188	75,382	21,703	16,566	4,991	7,303	388	6,916	270
NLM	53,484	29,863	22,955	13,202	2,493	7,260	1,994	1,539	3,375	23,621	1,360	22,260	–
Other ^e	31,412	27,103	–	–	–	–	21,649	–	5,454	4,309	150	4,158	–

^a Includes all hospitals administered by these institutions.

^b Includes basic health-science departments administered by schools of medicine and medicine/dentistry.

^c Hospitals not administered by institutions classified as higher education or research institutes.

^d Awards to U.S. citizens working abroad as well as to foreign nationals.

^e CC, DRG, OD, and Women's Health Initiative.

Source: Information Systems Branch, DRG

Table 26

**NIH Awards to U.S. Medical Schools^a by
Funding Mechanism, Fiscal Years 1983-1992**

(Dollars in Thousands)

Funding mechanism	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>AMOUNT</i>										
Total	\$1,688,775	\$1,899,275	\$2,223,001	\$2,295,226	\$2,688,815	\$2,867,163	\$3,059,636	\$3,200,583	\$3,443,141	\$3,742,487
Research grants	1,509,031	1,717,571	1,985,292	2,051,182	2,405,553	2,591,481	2,773,751	2,876,799	3,120,882	3,398,851
R&D contracts	76,922	76,247	90,604	108,832	136,024	125,396	112,620	137,704	120,545	135,737
Research training	101,642	103,859	134,234	129,690	141,371	147,125	154,727	174,457	184,028	189,604
Individual awards	15,997	16,475	21,131	19,017	20,486	20,148	20,583	23,582	25,528	26,083
Institutional awards	85,645	87,384	113,102	110,673	120,885	126,977	134,144	150,875	158,500	163,521
Construction grants	936	700	10,701	3,787	3,736	-	-	2,085	6,459	10,114
Other awards	244	898	2,170	1,735	2,131	3,161	18,538	9,538	11,226	8,181
<i>NUMBER</i>										
Research grants	10,922	11,263	11,959	12,115	12,713	13,080	13,157	13,116	13,657	13,851
R&D contracts	304	326	326	346	337	328	293	313	296	286
Research training	1,664	1,710	1,728	1,614	1,705	1,689	1,642	1,767	1,858	1,921
Individual awards	809	835	873	777	842	820	775	887	933	960
Institutional awards	855	875	855	837	863	869	867	880	925	961
Construction grants	2	2	26	21	19	-	-	3	3	7

^a Includes hospitals and basic health-science departments administered by schools of medicine or medicine/dentistry.

Source: Information Systems Branch, DRG

Table 27

NIH Awards to U.S. Institutions of Higher Education by Component and Funding Mechanism, Fiscal Year 1992

(Dollars in Thousands)

Major component	Total		Research grants							
	Amount	Percent	Total grants		Project grants		Center grants		Other grants	
			Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total – all institutions^a	\$7,379,133	100.0%	27,037	\$6,220,538	22,207	\$4,954,941	757	\$789,158	4,073	\$476,439
Total – U.S. higher education	5,408,823	73.3	21,338	4,866,768	17,568	3,870,686	628	650,614	3,142	345,468
Health professional school components	4,270,395	57.9	16,014	3,829,748	13,134	3,022,990	526	552,664	2,354	254,094
Medicine^b	3,742,487	50.7	13,851	3,398,851	11,528	2,676,825	473	509,773	1,850	212,253
Public health	177,516	2.4	377	114,701	310	101,194	6	4,288	61	9,219
Hospitals ^c	49,033	0.7	182	45,280	150	33,752	4	7,333	28	4,194
Dentistry	86,240	1.2	455	80,554	291	54,544	22	14,745	142	11,265
Veterinary medicine	65,462	0.9	321	56,168	253	45,803	4	7,257	64	3,108
Pharmacy	73,307	1.0	374	65,950	286	53,862	7	6,819	81	5,270
Other	76,350	1.0	454	68,243	316	57,009	10	2,448	128	8,786
Schools of A&S and graduate schools	804,899	10.9	4,015	740,655	3,379	627,396	52	42,221	584	71,037
Other components	333,529	4.5	1,309	296,365	1,055	220,299	50	55,729	204	20,336
Organized research units	145,253	2.0	440	130,917	355	99,843	30	25,381	55	5,693
Engineering	53,604	0.7	275	48,747	220	39,963	8	3,981	47	4,804
Agriculture	63,264	0.9	370	58,994	337	55,347	4	1,372	29	2,275
University-wide	15,409	0.2	47	7,581	10	1,533	2	4,083	35	1,965
Other	55,999	0.8	177	50,125	133	23,613	6	20,912	38	5,600

^a Includes foreign.

^b Includes hospitals and basic health-science departments administered by schools of medicine or medicine/dentistry.

^c Hospitals administered by institutions of higher education (e.g., Univ. of Texas System's M.D. Anderson Hospital and Tumor Institute). Excludes hospitals administered by medical schools.

Source: Information Systems Branch, DRG
(Continued)

Table 27 (Cont.)

**NIH Awards to U.S. Institutions of Higher Education by
Component and Funding Mechanism, Fiscal Year 1992**

(Dollars in Thousands)

Major component	R&D contracts		Research training					Other awards	
	Number	Amount	Total amount	Individual awards		Institutional awards		Number	Amount
				Number	Amount	Number	Amount		
Total – all institutions^a	1,385	\$805,586	\$319,198	2,176	\$56,057	1,579	\$263,141	93	\$33,811
Total – U.S. higher education	426	229,206	286,827	1,811	45,571	1,421	241,256	68	26,023
Health professional school components	367	198,074	218,587	1,208	30,840	1,134	187,747	51	23,986
Medicine ^b	286	135,737	189,604	960	26,083	961	163,521	36	18,295
Public health	39	47,495	11,466	21	541	47	10,925	9	3,854
Hospitals ^c	7	2,583	1,031	9	183	7	847	1	139
Dentistry	3	936	4,750	16	509	46	4,241	–	–
Veterinary medicine	8	4,255	3,353	31	927	25	2,426	4	1,686
Pharmacy	16	4,927	2,430	16	434	17	1,996	–	–
Other	8	2,141	5,954	155	2,163	31	3,790	1	12
Schools of A&S and graduate schools	20	8,660	54,705	493	11,980	226	42,725	9	880
Other components	39	22,472	13,535	110	2,751	61	10,784	8	1,157
Organized research units	16	9,823	4,170	39	983	17	3,187	3	342
Engineering	6	2,116	2,516	19	468	14	2,048	2	225
Agriculture	2	418	3,844	39	921	16	2,922	1	9
University-wide	10	7,243	584	3	76	5	508	–	–
Other	5	2,872	2,421	10	302	9	2,118	2	580

See footnotes on first page of table.

Table 28

**NIH Awards by State and Funding Mechanism,
Fiscal Year 1992**

(Thousands of Dollars)

State	Rank	Total	Research grants				R&D contracts	Research training			Other awards
			Total grants	Project grants	Center grants	Other grants		Total	Individual awards	Institutional awards	
Total		\$7,379,133	\$6,220,538	\$4,954,941	\$789,158	\$476,439	\$805,586	\$319,198	\$56,057	\$263,141	\$33,811
U.S. Total		7,325,183	6,191,267	4,928,483	787,664	475,120	781,558	318,546	55,405	263,141	33,811
Alabama	18	108,153	81,007	57,406	16,061	7,540	21,936	4,423	229	4,194	788
Alaska	50	1,441	1,367	1,142	-	225	-	-	-	-	74
Arizona	28	59,232	57,118	47,690	6,253	3,175	738	1,376	390	986	-
Arkansas	42	10,269	9,319	7,632	-	1,687	807	143	-	143	-
California	1	1,028,413	913,992	755,921	102,331	55,741	57,923	51,247	9,656	41,591	5,251
Colorado	19	106,813	97,763	73,181	15,231	9,352	3,408	5,588	1,322	4,266	54
Connecticut	13	177,519	159,397	131,931	16,688	10,777	5,427	10,710	1,562	9,147	1,985
Delaware	47	2,659	1,909	1,165	-	744	606	145	37	108	-
Dist. of Col.	20	101,414	71,162	44,606	6,238	20,318	27,506	1,430	502	928	1,316
Florida	21	100,570	92,354	70,842	11,530	9,982	4,137	3,697	506	3,191	382
Georgia	22	95,810	86,539	61,396	16,513	8,630	6,005	3,159	940	2,219	108
Hawaii	40	15,807	13,166	8,420	2,598	2,149	2,267	374	75	299	-
Idaho	52	1,003	878	617	-	260	-	-	-	-	126
Illinois	10	214,992	184,304	151,038	20,801	12,465	15,473	12,821	1,770	11,051	2,394
Indiana	25	72,597	66,126	55,682	6,064	4,380	4,004	2,467	422	2,045	-
Iowa	24	73,040	65,615	42,139	19,598	3,877	3,298	3,858	607	3,251	269
Kansas	35	23,716	21,762	17,557	1,925	2,280	1,178	776	95	681	-
Kentucky	32	30,444	25,719	20,964	2,084	2,670	3,221	380	150	229	1,124
Louisiana	29	52,869	48,672	35,579	8,650	4,443	3,044	1,099	76	1,023	54
Maine	41	13,456	12,254	9,337	2,181	736	1,008	194	29	166	-
Maryland	4	456,210	250,648	193,183	31,835	25,631	187,113	17,179	3,869	13,310	1,270
Massachusetts	3	771,577	681,107	579,336	67,593	34,178	45,739	39,500	7,726	31,773	5,231
Michigan	12	210,869	185,119	146,124	27,275	11,720	14,144	11,210	1,690	9,520	397
Minnesota	15	156,887	123,850	101,850	11,447	10,553	26,065	6,908	1,050	5,857	64
Mississippi	43	7,725	6,244	4,964	-	1,280	632	770	-	770	80

^a Awards to U.S. citizens working abroad as well as to foreign nationals.

Source: Information Systems Branch, DRG
(Continued)

Table 28 (Cont.)

NIH Awards by State and Funding Mechanism, Fiscal Year 1992

(Thousands of Dollars)

State	Rank	Total	Research grants				R&D contracts	Research training			Other awards
			Total grants	Project grants	Center grants	Other grants		Total	Individual awards	Institutional awards	
Missouri	14	\$164,873	\$144,009	\$114,764	\$20,653	\$8,592	\$8,587	\$11,546	\$1,192	\$10,354	\$731
Montana	46	3,808	3,304	2,641	-	663	6	128	13	115	370
Nebraska	37	21,132	19,828	14,839	3,683	1,306	1,020	284	87	198	-
Nevada	45	6,999	6,681	6,107	-	574	-	243	180	63	75
New Hampshire	31	31,414	29,776	21,654	1,660	6,462	454	1,184	255	928	-
New Jersey	23	78,470	63,865	58,293	1,794	3,778	11,156	3,320	969	2,352	128
New Mexico	34	25,595	22,343	14,862	3,990	3,492	2,467	611	232	379	173
New York	2	787,958	723,325	581,743	106,791	34,791	31,406	31,555	4,415	27,140	1,673
North Carolina	8	279,627	228,590	176,661	35,668	16,261	32,725	14,612	2,017	12,595	3,700
North Dakota	51	1,384	1,291	890	-	401	-	94	-	94	-
Ohio	11	211,896	183,463	148,811	18,532	16,120	20,197	7,097	929	6,168	1,139
Oklahoma	38	19,657	18,306	16,006	361	1,939	730	435	220	215	186
Oregon	26	70,831	64,549	50,340	11,340	2,870	3,452	2,690	819	1,870	140
Pennsylvania	5	424,509	393,307	301,946	49,013	42,347	13,784	16,838	2,984	13,855	580
Rhode Island	30	32,124	30,007	23,943	2,520	3,544	1,016	1,101	323	777	-
South Carolina	36	21,258	20,287	16,305	1,898	2,084	221	750	208	542	-
South Dakota	48	1,612	1,598	836	-	762	-	14	-	14	-
Tennessee	17	130,075	119,356	84,366	25,239	9,751	4,468	6,132	653	5,479	119
Texas	6	357,451	326,797	257,703	38,004	31,090	16,944	11,104	1,973	9,131	2,605
Utah	27	60,766	51,775	43,357	5,131	3,288	7,430	1,561	222	1,339	-
Vermont	33	26,615	22,202	17,770	3,426	1,006	3,437	976	370	606	-
Virginia	9	228,952	92,769	71,899	10,712	10,158	129,890	6,037	1,129	4,908	257
Washington	7	285,126	223,975	178,736	31,628	13,611	47,361	12,821	2,193	10,628	969
West Virginia	44	7,393	6,620	5,310	255	1,055	611	162	-	162	-
Wisconsin	16	133,082	120,459	94,799	17,414	8,247	5,921	6,701	1,212	5,490	-
Wyoming	49	1,452	1,452	1,168	-	285	-	-	-	-	-
Guam	54	195	195	-	-	195	-	-	-	-	-
Puerto Rico	39	17,109	13,532	3,034	5,058	5,439	2,595	982	107	875	-
Virgin Islands	53	332	216	-	-	216	-	116	-	116	-
Foreign ^a		53,950	29,270	26,457	1,494	1,319	24,028	652	652	-	-

See footnote on first page of table.

Table 29

**Average Size of NIH Awards^a by Kind of Award,
Fiscal Years 1983–1992 in Current and Constant Dollars**

(Thousands)

Kind of award and code	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>CURRENT DOLLARS</i>										
Research projects	\$123.7	\$137.9	\$150.2	\$154.6	\$175.4	\$183.8	\$193.9	\$204.9	\$213.4	\$225.5
Traditional (R01)	109.7	123.5	134.5	136.8	151.8	154.9	163.4	173.6	184.8	195.6
Research program projects (P01)	667.2	720.5	797.6	797.1	853.4	878.3	912.1	960.6	949.6	981.3
SBIR (R43, R44)	53.5	84.9	95.0	100.4	111.8	118.7	111.1	111.7	112.8	109.4
Other (P41, ^b P42, R22, R23, R29, R35, R37, U01)	63.2	70.7	79.0	109.3	154.2	187.6	197.0	206.9	207.7	223.2
Research centers	767.4	862.1	893.0	872.9	958.2	959.8	1,012.7	1,017.9	1,058.6	1,082.3
Specialized (P50, U54)	813.7	898.7	895.7	864.4	936.5	898.4	950.2	945.6	1,068.6	1,176.2
Core grants (P30)	792.9	832.2	908.7	894.7	976.4	964.5	1,009.0	975.9	973.3	1,013.8
General clinical (M01)	988.1	1,079.3	1,121.1	1,114.7	1,175.2	1,309.7	1,385.6	1,447.6	1,567.1	1,687.7
Comprehensive (P60)	921.7	1,106.0	1,294.5	1,227.6	1,362.6	1,400.4	1,366.1	1,363.2	1,377.0	1,381.0
Biotechnology resource (P41, U41)	420.9	535.8	557.6	534.5	555.9	565.1	612.9	557.6	601.2	646.4
Primate research center (P51)	2,802.7	3,224.9	3,459.4	3,409.4	4,613.2	4,757.1	5,074.2	5,239.9	5,267.3	6,027.3
Animal resource (P40, U40, U42)	167.9	159.8	159.9	247.3	256.9	287.2	285.5	300.8	327.2	368.3
Other (G12, P20)	54.7	—	681.6	676.7	692.9	639.9	889.7	944.0	813.7	543.3
Other research	81.8	86.2	102.4	98.4	96.4	98.3	101.5	101.5	102.5	127.6
Biomedical research support and development (S07, S10)	95.0	101.2	129.9	123.9	121.5	113.4	111.2	99.3	71.6	97.6
RCPAs (K)	42.4	44.3	57.9	60.3	63.9	65.7	68.0	70.5	80.8	83.8
Cooperative clinical (R10, U10)	149.4	155.3	170.6	208.5	227.6	255.1	284.7	243.3	266.9	363.0
Minority biomedical support (S06, S11, S14)	379.8	393.0	365.4	340.9	397.7	414.4	425.9	408.8	444.8	468.4
Other ^c	67.9	69.5	81.9	76.1 ^d	62.1	65.3	65.8	67.0	72.7	83.3
Contracts	334.2	343.2	312.9	356.4	433.1	451.4	501.3	536.7	533.2	581.7
Training	55.0	55.4	67.0	68.9	70.2	73.6	80.0	83.5	85.5	85.5
Individual awards (F's)	18.9	18.7	22.7	22.9	22.4	22.7	24.3	24.5	25.2	25.3
Institutional awards (T's except T09)	103.5	104.4	134.2	133.0	142.9	146.0	153.7	169.0	172.7	170.7

^a Represents total costs, except that supplements to prior years' grants are excluded.

^b P41 for NIGMS only.

^c D42, R03, R13, R15, R18, R21, R24, R25, R26, R55, S15, U18, U26, U45, and U50 for all ICDs. Also, for DRR (prior to 1990) and NLM only, includes P01, P41, P50, R01, R22, R23, R29, R43, R44, and U24. For NCRR only, includes U24.

^d For NCNR in FY 1986 only, includes P01, R01, and R23.

^e FY 1983=100. Constant dollars are based on the Biomedical R&D Price Index (see inside back cover).

Source: Information Systems Branch, DRG
(Continued)

Table 29 (Cont.)

**Average Size of NIH Awards^a by Kind of Award,
Fiscal Years 1983–1992 in Current and Constant Dollars**

(Thousands)

Kind of award and code	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>CONSTANT DOLLARS^e</i>										
Research projects	\$123.7	\$130.4	\$135.0	\$133.5	\$143.7	\$143.4	\$143.7	\$144.1	\$142.9	\$144.0
Traditional (R01)	109.7	116.7	120.9	118.1	124.4	120.8	121.1	122.0	123.8	124.9
Research program projects (P01)	667.2	680.8	717.2	688.0	699.2	685.1	676.0	675.2	635.8	626.4
SBIR (R43, R44)	53.5	80.2	85.4	86.6	91.6	92.6	82.3	78.5	75.5	69.8
Other (P41, ^b P42, R22, R23, R29, R35, R37, U01)	63.2	66.8	71.0	94.3	126.3	146.4	146.0	145.4	139.1	142.4
Research centers	767.4	814.6	802.9	753.4	785.1	748.7	750.6	715.5	708.8	690.9
Specialized (P50, U54)	813.7	849.2	805.4	746.1	767.3	700.8	704.3	664.7	715.5	750.8
Core grants (P30)	792.9	786.4	817.1	772.2	800.0	752.4	747.8	686.0	651.6	647.1
General clinical (M01)	988.1	1,019.9	1,008.0	962.1	962.9	1,021.6	1,027.0	1,017.6	1,049.2	1,077.3
Comprehensive (P60)	921.7	1,045.1	1,163.9	1,059.5	1,116.4	1,092.3	1,012.5	958.3	921.9	881.5
Biotechnology resource (P41, U41)	420.9	506.3	501.4	461.3	455.5	440.8	454.3	391.9	402.5	412.6
Primate research center (P51)	2,802.7	3,047.3	3,110.4	2,942.7	3,779.8	3,710.7	3,760.9	3,683.3	3,526.6	3,847.4
Animal resource (P40, U40, U42)	167.9	151.0	143.8	213.4	210.5	224.1	211.6	211.5	219.1	235.1
Other (G12, P20)	54.7	–	612.8	584.1	567.7	499.2	659.4	663.6	544.8	346.8
Other research	81.8	81.5	92.1	84.9	79.0	76.7	75.3	71.3	68.6	81.5
Biomedical research support and development (S07, S10)	95.0	95.6	116.8	106.9	99.5	88.5	82.4	69.8	47.9	62.3
RCPAs (K)	42.4	41.9	52.1	52.0	52.4	51.3	50.4	49.6	54.1	53.5
Cooperative clinical (R10, U10)	149.4	146.8	153.4	180.0	186.4	199.0	211.0	171.0	178.7	231.7
Minority biomedical support (S06, S11, S14)	379.8	371.4	328.5	294.2	325.9	323.2	315.7	287.4	297.8	299.0
Other ^c	67.9	65.6	73.7	65.7 ^d	50.9	50.9	48.8	47.1	48.7	53.2
Contracts	334.2	324.3	281.3	307.6	354.8	352.1	371.5	377.3	357.1	371.3
Training	55.0	52.3	60.3	59.4	57.5	57.4	59.3	58.7	57.2	54.6
Individual awards (F's)	18.9	17.7	20.4	19.8	18.3	17.7	18.0	17.2	16.9	16.1
Institutional awards (T's except T09)	103.5	98.7	120.7	114.8	117.1	113.9	113.9	118.8	115.6	109.0

See footnotes on first page of table.

Table 30

Average Size of NIH Awards^a by Kind of Award and NIH Component, Fiscal Year 1983, and Fiscal Year 1992 in Current and Constant Dollars^b

(Thousands)

Kind of award and code	Total			NIA			NIAID			NIAMS		
	1983	1992		1983	1992		1983	1992		1983	1992	
		Current	Constant		Current	Constant		Current	Constant		Current	Constant
Research projects	\$123.7	\$225.5	\$144.0	\$134.6	\$254.0	\$162.2	\$118.3	\$240.5	\$153.5	\$115.0	\$201.9	\$128.9
Traditional (R01)	109.7	195.6	124.9	99.5	188.3	120.2	112.8	197.2	125.9	110.4	192.6	123.0
Research program projects (P01)	667.2	981.3	626.4	496.1	807.8	515.6	525.2	611.3	390.2	564.4	949.7	606.2
SBIR (R43, R44)	53.5	109.4	69.8	55.7	138.5	88.4	61.9	106.4	67.9	43.1	162.6	103.8
Other (P41, ^c P42, R22, R23, R29, R35, R37, U01)	63.2	223.2	142.4	49.9	279.9	178.7	89.3	338.8	216.3	46.6	147.3	94.0
Research centers	767.4	1,082.3	690.9	234.6	1,078.9	688.7	288.9	553.8	353.5	416.2	879.6	561.5
Specialized (P50, U54)	813.7	1,176.2	750.8	-	1,696.5	1,082.9	288.9	526.8	336.3	-	930.1	593.7
Core grants (P30)	792.9	1,013.8	647.1	234.6	702.2	448.2	-	529.3	337.8	166.5	433.0	276.4
General clinical (M01)	988.1	1,687.7	1,077.3	-	-	-	-	-	-	-	-	-
Comprehensive (P60)	921.7	1,381.0	881.5	-	1,246.8	795.9	-	-	-	434.0	1,017.4	649.5
Biotechnology resource (P41, U41)	420.9	646.4	412.6	-	-	-	-	-	-	-	-	-
Primate research center (P51)	2,802.7	6,027.3	3,847.4	-	-	-	-	-	-	-	-	-
Animal resource (P40, U40, U42)	167.9	368.3	235.1	-	-	-	-	-	-	-	-	-
Other (G12, P20)	54.7	543.3	346.8	-	248.3	158.5	-	1,197.3	764.3	-	-	-
Other research	81.8	127.6	81.5	40.4	81.8	52.2	34.9	76.2	48.7	46.5	73.8	47.1
Biomedical research support and development (S07, S10)	95.0	97.6	62.3	-	-	-	-	-	-	-	-	-
RCPAs (K)	42.4	83.8	53.5	52.6	92.5	59.0	38.0	72.8	46.5	41.2	72.9	46.6
Cooperative clinical (R10, U10)	149.4	363.0	231.7	-	-	-	-	-	-	-	-	-
Minority biomedical support (S06, S11, S14)	379.8	468.4	299.0	-	-	-	-	-	-	-	-	-
Other ^d	67.9	83.3	53.2	24.7	60.1	38.4	16.0	81.7	52.1	85.8	74.7	47.7
Contracts	334.2^e	581.7^e	371.3^e	314.4	654.3	417.7	281.8	997.0	636.4	253.3	273.4	174.5
Training	55.0	85.5	54.6	59.6	118.4	75.6	51.7	86.5	55.2	46.7	66.3	42.3
Individual awards (F's)	18.9	25.3	16.1	20.6	23.3	14.9	18.4	28.2	18.0	18.9	26.3	16.8
Institutional awards (T's)	103.5	170.7	109.0	79.8	161.6	103.2	103.1	150.9	96.3	60.8	96.1	61.3

^a Represents total costs, except that supplements to prior years' grants are excluded.

^b FY 1983=100. Constant dollars are based on the Biomedical R&D Price Index (see back inside cover).

^c P41 for NIGMS only.

^d D42, R03, R13, R15, R18, R21, R24, R25, R26, R55, S15, U18, U26, U45, and U50 for all ICDs. Also, for DRR (in 1983) and NLM only, includes P01, P41, P50, R01, R22, R23, R29, R43, R44, and U24. For NCRR only, includes U24.

^e DRS and DCRT for 1983, Women's Health Initiative and DRG for 1992, and CC and OD for all years included in totals only.

Source: Information Systems Branch, DRG
(Continued)

Table 30 (Cont.)

**Average Size of NIH Awards^a by Kind of Award and NIH
Component, Fiscal Year 1983, and Fiscal Year 1992 in
Current and Constant Dollars^b**

(Thousands)

Kind of award and code	NCI			NICHD			NIDCD			NIDR		
	1983	1992		1983	1992		1983	1992		1983	1992	
		Current	Constant		Current	Constant		Current	Constant		Current	Constant
Research projects	\$142.4	\$262.6	\$167.6	\$112.7	\$196.1	\$125.2	-	\$205.6	\$131.3	\$96.7	\$186.9	\$119.3
Traditional (R01)	110.9	207.0	132.1	104.8	175.7	112.1	-	187.5	119.7	96.7	174.8	111.6
Research program projects (P01)	766.2	1,142.6	729.4	479.4	772.2	492.9	-	1,032.2	658.9	376.9	668.3	426.6
SBIR (R43, R44)	51.5	86.1	55.0	48.0	104.2	66.5	-	140.3	89.6	45.4	138.4	88.3
Other (P41, ^c P42, R22, R23, R29, R35, R37, U01)	75.7	270.8	172.9	54.4	153.0	97.6	-	96.0	61.3	49.6	136.4	87.0
Research centers	1,187.1	1,637.8	1,045.4	548.3	670.5	428.0	-	959.0	612.2	1,186.2	661.0	421.9
Specialized (P50, U54)	955.6	1,976.8	1,261.9	648.3	1,026.2	655.0	-	1,005.6	641.9	1,186.2	763.9	487.6
Core grants (P30)	1,280.0	2,219.2	1,416.6	478.7	535.3	341.7	-	-	-	-	569.7	363.7
General clinical (M01)	-	-	-	-	-	-	-	-	-	-	-	-
Comprehensive (P60)	-	-	-	-	-	-	-	1,375.5	878.0	-	-	-
Biotechnology resource (P41, U41)	-	-	-	-	-	-	-	-	-	-	-	-
Primate research center (P51)	-	-	-	-	-	-	-	-	-	-	-	-
Animal resource (P40, U40, U42)	-	-	-	-	-	-	-	-	-	-	-	-
Other (G12, P20)	95.8	192.2	122.7	-	98.4	62.8	-	125.0	79.8	-	380.9	243.2
Other research	113.4	201.5	128.6	38.2	147.0	93.8	-	57.2	36.5	20.8	85.0	54.2
Biomedical research support and development (S07, S10)	-	-	-	-	-	-	-	-	-	-	-	-
RCPAs (K)	40.6	87.1	55.6	39.9	88.6	56.6	-	77.7	49.6	38.9	130.3	83.2
Cooperative clinical (R10, U10)	142.8	485.3	309.8	-	421.1	268.8	-	-	-	-	-	-
Minority biomedical support (S06, S11, S14)	-	-	-	-	-	-	-	-	-	-	-	-
Other ^d	101.8	64.6	41.2	15.1	70.6	45.0	-	44.6	28.5	13.2	42.2	26.9
Contracts	401.4	556.5	355.2	195.5	502.6	320.8	-	393.2	251.0	122.5	212.7	135.8
Training	73.5	106.9	68.2	53.9	78.6	50.1	-	72.8	46.5	44.6	67.6	43.1
Individual awards (F's)	18.0	24.4	15.6	18.2	26.6	17.0	-	26.3	16.8	18.4	27.9	17.8
Institutional awards (T's)	128.1	177.6	113.3	89.6	123.2	78.6	-	121.0	77.3	72.1	94.3	60.2

See footnotes on first page of table.

(Continued)

Table 30 (Cont.)

**Average Size of NIH Awards^a by Kind of Award and NIH
Component, Fiscal Year 1983, and Fiscal Year 1992 in
Current and Constant Dollars^b**

(Thousands)

Kind of award and code	NIDDK			NIEHS			NEI			NIGMS		
	1983	1992		1983	1992		1983	1992		1983	1992	
		Current	Constant		Current	Constant		Current	Constant		Current	Constant
Research projects	\$116.4	\$211.7	\$135.1	\$123.1	\$262.4	\$167.5	\$106.8	\$177.2	\$113.1	\$111.8	\$189.3	\$120.8
Traditional (R01)	112.7	187.3	119.6	102.8	181.0	115.5	109.5	179.3	114.5	108.4	186.3	118.9
Research program projects (P01)	624.7	918.9	586.6	630.2	800.2	510.8	—	—	—	483.6	714.6	456.1
SBIR (R43, R44)	50.1	152.3	97.2	61.9	110.6	70.6	51.8	112.1	71.5	58.1	122.0	77.8
Other (P41, ^c P42, R22, R23, R29, R35, R37, U01)	71.8	208.7	133.2	97.9	532.6	340.0	48.7	175.2	111.8	45.9	173.4	110.7
Research centers	618.4	863.0	550.8	967.8	940.8	600.5	159.0	263.8	168.4	509.2	844.0	538.7
Specialized (P50, U54)	1,328.9	596.4	380.7	—	—	—	329.7	—	—	509.2	844.0	538.7
Core grants (P30)	520.0	801.8	511.8	967.8	940.8	600.5	152.7	263.8	168.4	—	—	—
General clinical (M01)	—	—	—	—	—	—	—	—	—	—	—	—
Comprehensive (P60)	1,381.2	1,726.0	1,101.7	—	—	—	—	—	—	—	—	—
Biotechnology resource (P41, U41)	—	—	—	—	—	—	—	—	—	—	—	—
Primate research center (P51)	—	—	—	—	—	—	—	—	—	—	—	—
Animal resource (P40, U40, U42)	—	—	—	—	—	—	—	—	—	—	—	—
Other (G12, P20)	34.2	—	—	—	—	—	—	—	—	—	—	—
Other research	38.9	71.5	45.6	36.9	369.9	236.1	27.7	146.3	93.4	26.7	205.4	131.1
Biomedical research support and development (S07, S10)	—	—	—	—	—	—	—	—	—	—	—	—
RCPAs (K)	42.4	85.2	54.4	39.7	91.2	58.2	39.1	76.1	48.6	32.7	60.4	38.5
Cooperative clinical (R10, U10)	—	—	—	—	—	—	—	178.4	113.9	—	—	—
Minority biomedical support (S06, S11, S14)	—	—	—	—	—	—	—	—	—	—	468.4	299.0
Other ^d	6.5	50.7	32.4	9.0	530.2	338.4	21.1	62.2	39.7	18.4	73.1	46.7
Contracts	185.1	511.9	326.8	410.6	509.9	325.5	146.9	354.0	226.0	505.7	1,228.4	784.1
Training	43.6	82.7	52.8	89.9	108.7	69.4	34.5	62.4	39.9	69.4	100.3	64.0
Individual awards (F's)	19.1	29.1	18.6	15.9	24.8	15.8	17.9	25.5	16.3	17.4	23.8	15.2
Institutional awards (T's)	70.9	127.2	81.2	140.3	211.7	135.1	74.4	169.4	108.2	149.6	230.1	146.9

See footnotes on first page of table.

(Continued)

Table 30 (Cont.)

**Average Size of NIH Awards^a by Kind of Award and NIH
Component, Fiscal Year 1983, and Fiscal Year 1992 in
Current and Constant Dollars^b**

(Thousands)

Kind of award and code	NHLBI			NINDS			FIC			NCHGR		
	1983	1992		1983	1992		1983	1992		1983	1992	
		Current	Constant		Current	Constant		Current	Constant		Current	Constant
Research projects	\$147.7	\$257.1	\$164.1	\$113.5	\$219.0	\$139.8	—	—	—	—	\$336.8	\$215.0
Traditional (R01)	121.9	216.2	138.0	96.7	198.3	126.6	—	—	—	—	310.2	198.0
Research program projects (P01)	944.5	1,351.4	862.6	511.4	898.9	573.8	—	—	—	—	1,596.4	1,019.0
SBIR (R43, R44)	52.1	119.6	76.3	62.3	122.1	77.9	—	—	—	—	134.7	86.0
Other (P41, ^c P42, R22, R23, R29, R35, R37, U01)	49.1	191.9	122.5	47.2	94.4	60.3	—	—	—	—	170.6	108.9
Research centers	1,212.7	1,483.2	946.7	718.5	748.9	478.1	—	—	—	—	2,250.5	1,436.6
Specialized (P50, U54)	1,196.8	1,434.1	915.4	718.5	950.2	606.5	—	—	—	—	3,034.1	1,936.7
Core grants (P30)	—	—	—	—	—	—	—	—	—	—	2,095.6	1,337.7
General clinical (M01)	—	—	—	—	—	—	—	—	—	—	—	—
Comprehensive (P60)	1,282.9	1,752.9	1,118.9	—	—	—	—	—	—	—	—	—
Biotechnology resource (P41, U41)	—	—	—	—	—	—	—	—	—	—	1,662.5	1,061.2
Primate research center (P51)	—	—	—	—	—	—	—	—	—	—	—	—
Animal resource (P40, U40, U42)	—	—	—	—	—	—	—	—	—	—	—	—
Other (G12, P20)	—	—	—	—	346.4	221.1	—	—	—	—	720.1	459.7
Other research	65.2	79.2	50.6	39.8	78.6	50.2	\$81.4	\$23.9	\$15.3	—	69.2	44.2
Biomedical research support and development (S07, S10)	—	—	—	—	—	—	—	—	—	—	—	—
RCPAs (K)	45.1	80.6	51.4	41.0	77.9	49.7	—	—	—	—	67.7	43.2
Cooperative clinical (R10, U10)	1,340.4	140.0	89.4	—	1,617.1	1,032.2	—	—	—	—	—	—
Minority biomedical support (S06, S11, S14)	—	—	—	—	—	—	—	—	—	—	—	—
Other ^d	198.0	70.6	45.1	20.6	59.1	37.7	81.4	23.9	15.3	—	69.5	44.4
Contracts	386.7	619.2	395.3	192.2	346.4	221.1	101.5	—	—	—	35.0	22.3
Training	58.3	105.4	67.2	30.5	57.2	36.5	26.5	32.6	20.8	—	52.4	33.4
Individual awards (F's)	19.2	28.9	18.4	18.0	25.2	16.1	26.5	29.5	18.8	—	26.9	17.2
Institutional awards (T's)	90.4	182.9	116.7	69.5	142.5	90.9	—	197.6	126.1	—	129.0	82.3

See footnotes on first page of table.

(Continued)

Table 30 (Cont.)

**Average Size of NIH Awards^a by Kind of Award and NIH
Component, Fiscal Year 1983, and Fiscal Year 1992 in
Current and Constant Dollars^b**

(Thousands)

Kind of award and code	NCNR			NCRR			NLM		
	1983	1992		1983	1992		1983	1992	
		Current	Constant		Current	Constant		Current	Constant
Research projects	-	\$203.4	\$129.9	-	\$140.5	\$89.7	-	-	-
Traditional (R01)	-	236.6	151.0	-	188.0	120.0	-	-	-
Research program projects (P01)	-	-	-	-	-	-	-	-	-
SBIR (R43, R44)	-	90.1	57.5	-	78.1	49.9	-	-	-
Other (P41, ^c P42, R22, R23, R29, R35, R37, U01)	-	110.9	70.8	-	121.6	77.6	-	-	-
Research centers	-	238.2	152.0	\$729.8	1,245.1	794.8	-	-	-
Specialized (P50, U54)	-	557.0	355.6	-	-	-	-	-	-
Core grants (P30)	-	-	-	-	-	-	-	-	-
General clinical (M01)	-	-	-	988.1	1,687.7	1,077.3	-	-	-
Comprehensive (P60)	-	-	-	-	-	-	-	-	-
Biotechnology resource (P41, U41)	-	-	-	420.9	612.0	390.7	-	-	-
Primate research center (P51)	-	-	-	2,802.7	6,027.3	3,847.4	-	-	-
Animal resource (P40, U40, U42)	-	-	-	167.9	368.3	235.1	-	-	-
Other (G12, P20)	-	110.7	70.6	-	1,442.9	921.0	-	-	-
Other research	-	99.9	63.8	122.3	99.3	63.4	\$84.1	\$198.9	\$127.0
Biomedical research support and development (S07, S10)	-	-	-	95.0	97.6	62.3	-	-	-
RCPAs (K)	-	75.1	47.9	45.9	70.9	45.3	38.3	33.7	21.5
Cooperative clinical (R10, U10)	-	-	-	-	-	-	-	-	-
Minority biomedical support (S06, S11, S14)	-	-	-	379.8	-	-	-	-	-
Other ^d	-	109.9	70.1	98.6	109.2	69.7	90.0	201.7	128.7
Contracts	-	-	-	401.6	435.6	278.0	223.0	313.6	200.2
Training	-	25.3	16.1	54.5	111.3	71.0	81.4	208.3	133.0
Individual awards (F's)	-	13.1	8.4	20.9	26.4	16.9	-	32.9	21.0
Institutional awards (T's)	-	129.1	82.4	64.5	146.2	93.3	81.4	366.1	233.7

See footnotes on first page of table.

Table 31

**NIH Research Grants^a by NIH Component and Type,
Fiscal Year 1992**

(Dollars in Thousands)

NIH component	Total number ^b	Total		New		Continuation				Supplemental			
						Competing		Noncompeting		Competing		Noncompeting	
		Number ^c	Amount	Number	Amount	Number	Amount	Number	Amount	Number ^b	Amount	Number ^b	Amount
Total	27,848	27,037	\$6,220,538	5,296	\$849,468	2,764	\$873,841	18,478	\$4,380,620	121	\$18,037	1,189	\$98,572
NIA	1,235	1,144	289,221	271	48,826	92	24,769	736	208,099	16	3,100	120	4,428
NIAID	2,741	2,690	629,878	482	86,997	245	93,788	1,919	430,452	4	574	91	18,067
NIAMS	865	827	168,588	148	22,715	80	31,634	584	111,715	-	-	53	2,525
NCI	4,381	4,220	1,167,640	992	158,459	441	164,304	2,683	808,128	17	1,347	248	35,402
NICHD	1,843	1,773	365,984	364	52,683	168	41,222	1,196	265,287	7	781	108	6,010
NIDCD	640	636	126,153	129	14,333	53	18,152	441	93,090	4	174	13	404
NIDR	588	577	107,174	145	15,130	50	12,818	375	77,637	-	-	18	1,589
NIDDK	2,591	2,505	516,538	513	71,348	282	68,917	1,673	370,080	5	689	118	5,504
NIEHS	532	513	152,093	133	46,262	62	31,504	306	71,811	1	127	30	2,388
NEI	1,303	1,299	220,700	181	21,181	166	34,144	909	161,034	-	-	47	4,342
NIGMS	3,782	3,758	714,520	612	79,808	500	120,305	2,603	510,198	20	2,073	47	2,137
NHLBI	3,622	3,480	876,311	660	124,793	331	115,856	2,460	627,013	4	546	167	8,103
NINDS	2,167	2,126	449,105	320	53,991	241	64,028	1,542	329,014	6	599	58	1,473
FIC	43	43	1,028	43	1,028	-	-	-	-	-	-	-	-
NCHGR	251	243	93,161	73	17,357	8	4,430	156	69,435	2	468	12	1,471
NCNR	241	222	39,852	77	11,878	4	1,216	135	25,925	-	-	25	833
NCRR	962	921	290,656	133	19,294	38	46,079	723	213,887	35	7,558	33	3,837
NLM	61	60	11,933	20	3,382	3	675	37	7,814	-	-	1	61

^a Represents awards, not obligations.

^b Each supplemental grant is counted separately.

^c Supplements are counted only when the parent award is from prior years' funds; such supplements, if multiple, are counted as one.

Source: Information Systems Branch, DRG

Table 32

**NIH Research Grants^a by Kind of Grant,
Fiscal Years 1983-1992**

(Dollars in Thousands)

Kind of grant and activity code	1983		1984		1985		1986		1987	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	20,779	\$2,702,266	21,535	\$3,086,967	22,958	\$3,591,345	23,445	\$3,739,147	25,026	\$4,401,188
Research projects^b	17,212	2,098,549	17,761	2,404,846	18,905	2,784,832	19,201	2,928,820	20,213	3,487,183
Traditional (R01)	15,421	1,665,330	15,757	1,907,469	16,504	2,174,611	16,403	2,213,435	16,868	2,517,884
Research program projects (P01)	574	357,468	571	393,185	630	461,458	638	485,204	735	589,020
New investigator research (R23)	941	45,450	951	47,085	1,018	51,383	1,031	50,997	643	32,061
SBIR (R43, R44)	117	6,264	237	19,972	328	31,011	423	42,408	435	48,504
MERIT awards (R37)	-	-	-	-	-	-	177	39,125	371	84,802
Outstanding investigator (R35)	-	-	-	-	23	7,896	45	23,248	60	35,122
FIRST awards (R29)	-	-	-	-	-	-	34	2,825	574	53,005
Other (P41, ^c P42, R22, U01)	159	24,037	245	37,135	402	58,473	450	71,578	527	126,785
Research centers^d	501	375,711	529	430,974	572	483,345	580	482,454	582	536,090
Specialized (P50, U54)	148	115,732	168	140,563	176	150,662	173	139,018	182	162,292
Core grants (P30)	141	110,927	151	121,951	161	135,164	164	137,749	160	150,600
General clinical (M01)	75	74,108	75	80,951	78	87,446	78	86,947	78	91,663
Comprehensive (P60)	31	28,574	31	32,195	32	39,422	34	40,062	34	43,043
Biotechnology resource (P41, U41)	51	20,204	56	26,348	69	34,962	66	33,858	68	35,946
Primate research center (P51)	7	19,619	7	22,574	9	24,520	7	23,866	7	32,293
Animal resource (P40, U40, U42)	36	5,890	41	6,392	40	6,397	41	10,090	36	9,153
RCMIs (G12)	-	-	-	-	7	4,771	16	9,799	16	10,000
Other (P20)	12	657	-	-	-	-	1	1,065	1	1,101
Other research	3,066	228,006	3,245	251,147	3,481	323,168	3,664	327,873	4,231	377,915
Biomedical research support and development (S03, S07, S10)	898	59,893	946	67,897	1,025	96,069	1,025	91,420	1,036	92,976
RCPAs (K)	1,199	50,511	1,221	53,765	1,344	76,231	1,335	80,014	1,411	89,712
Cooperative clinical (R10, U10)	389	55,788	437	59,449	388	64,678	394	61,048	362	75,118
Minority biomedical support (S06, S11, S14)	80	27,541	89	31,796	101	35,588	103	34,267	104	39,043
Other ^e	500	34,272	552	38,240	623	50,602	807	61,125	1,318	81,067

^a Represents awards, not obligations.

^b Excludes NLM and DRR (included under Other research), but includes NCRR starting in FY 1990.

^c P41 for NIGMS only.

^d Excludes NLM P50 and U50 grants (included under Other research).

^e D42, R03, R13, R15, R18, R21, R24, R25, R26, R55, S15, U18, U26, U45, and U50 for all ICDs. Also, for DRR (prior to 1990) and NLM only, includes P01, P41, P50, R01, R22, R23, R29, R43, R44, and U24. For NCRR only, includes U24. For NCNR in FY 1986 only, includes P01, R01, and R23.

Source: Information Systems Branch, DRG
(Continued)

Table 32 (Cont.)

**NIH Research Grants^a by Kind of Grant,
Fiscal Years 1983-1992**

(Dollars in Thousands)

Kind of grant and activity code	1988		1989		1990		1991		1992	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	25,754	\$4,727,321	26,022	\$5,054,738	25,725	\$5,239,849	26,920	\$5,706,748	27,037	\$6,220,538
Research projects^b	20,867	3,764,791	21,199	4,058,547	20,832	4,208,480	21,450	4,546,960	22,207	4,954,941
Traditional (R01)	16,871	2,564,198	16,620	2,684,955	15,888	2,719,310	16,027	2,929,539	16,483	3,182,069
Research program projects (P01)	770	634,809	793	682,260	771	691,887	775	702,236	816	762,696
New investigator research (R23)	260	11,920	46	2,173	-	-	-	-	-	-
SBIR (R43, R44)	460	54,334	536	58,882	608	67,350	668	75,000	751	82,056
MERIT awards (R37)	596	140,829	765	184,097	887	220,541	985	255,758	1,043	285,952
Outstanding investigator (R35)	74	46,985	86	57,038	87	63,153	97	69,496	91	69,862
FIRST awards (R29)	1,227	108,253	1,711	151,591	2,083	191,536	2,371	229,750	2,460	241,904
Other (P41, ^c P42, R22, U01)	609	203,463	642	237,551	508	254,703	527	285,181	563	330,402
Research centers^d	621	573,578	631	607,083	662	632,619	705	704,282	757	789,158
Specialized (P50, U54)	192	164,531	187	172,830	201	178,310	205	203,680	208	238,459
Core grants (P30)	176	165,586	187	175,754	208	188,224	226	211,861	230	229,700
General clinical (M01)	78	102,159	79	108,215	83	115,392	76	117,741	79	125,999
Comprehensive (P60)	36	47,920	33	45,082	36	47,777	40	53,738	43	55,394
Biotechnology resource (P41, U41)	70	36,697	67	38,960	64	32,779	67	36,680	68	40,600
Primate research center (P51)	7	33,300	10	36,753	7	36,679	8	37,042	7	42,191
Animal resource (P40, U40, U42)	42	12,064	48	12,105	41	12,690	40	12,834	42	14,405
RCMIs (G12)	19	11,010	18	17,170	17	18,790	22	24,677	20	26,005
Other (P20)	1	310	2	213	5	1,978	21	6,029	60	16,405
Other research	4,266	388,952	4,192	389,108	4,231	398,751	4,765	455,505	4,073	476,439
Biomedical research support and development (S03, S07, S10)	1,110	90,918	1,130	88,762	1,131	79,957	1,157	63,143	528	22,982
RCPAs (K)	1,443	94,586	1,375	93,746	1,363	97,051	1,390	113,752	1,424	119,562
Cooperative clinical (R10, U10)	331	80,268	335	84,880	404	99,209	469	115,282	472	160,137
Minority biomedical support (S06, S11, S14)	102	39,773	93	38,984	107	40,501	100	42,560	101	45,141
Other ^e	1,280	83,407	1,259	82,736	1,226	82,032	1,649	120,769	1,548	128,616

See footnotes on first page of table.

Table 33

**NIH Research Grants^a by Kind of Grant
and NIH Component, Fiscal Year 1992**

(Dollars in Thousands)

Kind of grant and activity code	Total		NIA		NIAID		NIAMS	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	27,037	\$6,220,538	1,144	\$289,221	2,690	\$629,878	827	\$168,588
Research projects	22,207	4,954,941	953	231,715	2,468	600,362	694	138,465
Traditional (R01)	16,483	3,182,069	643	117,715	1,671	326,890	508	96,770
Research program projects (P01)	816	762,696	73	57,450	67	38,960	18	17,095
SBIR (R43, R44)	751	82,056	29	4,016	92	9,787	14	2,171
MERIT awards (R37)	1,043	285,952	81	15,337	154	42,897	41	10,936
Outstanding investigator (R35)	91	69,862	14	9,985	-	-	-	-
FIRST awards (R29)	2,460	241,904	79	7,532	311	31,740	113	11,492
Other (P41, ^b P42, R22, U01)	563	330,402	34	19,680	173	150,088	-	-
Research centers	757	789,158	42	45,314	27	14,782	30	22,520
Specialized (P50, U54)	208	238,459	15	25,447	13	6,704	9	6,048
Core grants (P30)	230	229,700	18	12,640	13	6,880	5	2,165
General clinical (M01)	79	125,999	-	-	-	-	-	-
Comprehensive (P60)	43	55,394	5	6,234	-	-	16	14,307
Biotechnology resource (P41, U41)	68	40,600	-	-	-	-	-	-
Primate research center (P51)	7	42,191	-	-	-	-	-	-
Animal resource (P40, U42)	42	14,405	-	-	-	-	-	-
RCMIs (G12)	20	26,005	-	-	-	-	-	-
Other (P20)	60	16,405	4	993	1	1,197	-	-
Other research	4,073	476,439	149	12,192	195	14,734	103	7,603
Biomedical research support and development (S03, S07, S10)	528	22,982	-	-	-	-	-	-
RCPAs (K)	1,424	119,562	100	9,248	121	8,689	52	3,793
Cooperative clinical (R10, U10)	472	160,137	-	-	-	-	-	-
Minority biomedical support (S06, S14)	101	45,141	-	-	-	-	-	-
Other ^c	1,548	128,616	49	2,944	74	6,045	51	3,811

^a Represents awards, not obligations.

^b P41 for NIGMS only.

^c D42, R03, R13, R15, R18, R21, R24, R25, R55, S15, U18, and U45 for all ICDs. Also, for NCRR and NLM only, includes P41, P50, R01, R29, R43, and U24.

Source: Information Systems Branch, DRG
(Continued)

Table 33 (Cont.)

**NIH Research Grants^a by Kind of Grant
and NIH Component, Fiscal Year 1992**

(Dollars in Thousands)

Kind of grant and activity code	NCI		NICHD		NIDCD		NIDR		NIDDK	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	4,220	\$1,167,640	1,773	\$365,984	636	\$126,153	577	\$107,174	2,505	\$516,538
Research projects	3,410	878,009	1,464	282,947	517	104,011	409	75,910	2,181	456,163
Traditional (R01)	2,325	471,637	1,153	199,308	395	72,172	299	52,108	1,596	295,155
Research program projects (P01)	198	205,761	68	48,763	22	21,706	18	11,367	62	54,426
SBIR (R43, R44)	200	17,277	44	4,584	12	1,684	11	1,522	35	5,332
MERIT awards (R37)	161	47,414	47	10,804	-	-	26	5,894	148	42,849
Outstanding investigator (R35)	77	59,877	-	-	-	-	-	-	-	-
FIRST awards (R29)	316	29,726	133	12,415	87	8,230	55	5,017	267	27,359
Other (P41, ^b P42, R22, U01)	133	46,317	19	7,072	1	220	-	-	73	31,043
Research centers	90	145,112	77	49,865	17	16,303	28	18,508	47	40,559
Specialized (P50, U54)	8	15,815	22	21,561	9	9,050	19	14,514	13	7,753
Core grants (P30)	58	124,685	54	28,205	-	-	3	1,709	28	22,450
General clinical (M01)	-	-	-	-	-	-	-	-	-	-
Comprehensive (P60)	-	-	-	-	5	6,878	-	-	6	10,356
Biotechnology resource (P41, U41)	-	-	-	-	-	-	-	-	-	-
Primate research center (P51)	-	-	-	-	-	-	-	-	-	-
Animal resource (P40, U42)	-	-	-	-	-	-	-	-	-	-
RCMIs (G12)	-	-	-	-	-	-	-	-	-	-
Other (P20)	24	4,613	1	98	3	375	6	2,286	-	-
Other research	720	144,519	232	33,172	102	5,838	140	12,756	277	19,815
Biomedical research support and development (S03, S07, S10)	-	-	-	-	-	-	-	-	-	-
RCPAs (K)	163	14,115	81	7,179	39	3,029	70	9,804	167	14,233
Cooperative clinical (R10, U10)	231	109,390	55	19,220	-	-	-	-	-	-
Minority biomedical support (S06, S14)	-	-	-	-	-	-	-	-	-	-
Other ^c	326	21,013	96	6,774	63	2,809	70	2,953	110	5,582

See footnotes on first page of table.

(Continued)

Table 33 (Cont.)

**NIH Research Grants^a by Kind of Grant
and NIH Component, Fiscal Year 1992**

(Dollars in Thousands)

Kind of grant and activity code	NIEHS		NEI		NIGMS		NHLBI		NINDS	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	513	\$152,093	1,299	\$220,700	3,758	\$714,520	3,480	\$876,311	2,126	\$449,105
Research projects	430	111,644	1,036	180,886	3,459	649,050	2,887	738,335	1,839	398,463
Traditional (R01)	329	59,604	902	159,578	2,805	517,521	2,017	433,097	1,492	292,220
Research program projects (P01)	24	15,672	-	-	41	29,298	129	171,719	90	80,899
SBIR (R43, R44)	11	1,216	25	2,802	69	8,415	111	13,180	42	5,127
MERIT awards (R37)	9	1,947	50	13,047	167	54,985	157	38,982	-	-
Outstanding investigator (R35)	-	-	-	-	-	-	-	-	-	-
FIRST awards (R29)	38	3,839	56	5,236	374	38,209	373	36,813	215	20,216
Other (P41, ^b P42, R22, U01)	19	29,365	3	224	3	622	100	44,544	-	-
Research centers	18	16,934	29	7,650	8	6,752	67	96,510	42	31,455
Specialized (P50, U54)	-	-	-	-	8	6,752	56	78,890	28	26,606
Core grants (P30)	18	16,934	29	7,650	-	-	-	-	-	-
General clinical (M01)	-	-	-	-	-	-	-	-	-	-
Comprehensive (P60)	-	-	-	-	-	-	11	17,620	-	-
Biotechnology resource (P41, U41)	-	-	-	-	-	-	-	-	-	-
Primate research center (P51)	-	-	-	-	-	-	-	-	-	-
Animal resource (P40, U42)	-	-	-	-	-	-	-	-	-	-
RCMIs (G12)	-	-	-	-	-	-	-	-	-	-
Other (P20)	-	-	-	-	-	-	-	-	14	4,849
Other research	65	23,515	234	32,164	291	58,719	526	41,466	245	19,187
Biomedical research support and development (S03, S07, S10)	-	-	-	-	-	-	-	-	-	-
RCPAs (K)	23	2,098	20	1,462	20	1,208	364	29,120	171	13,258
Cooperative clinical (R10, U10)	-	-	172	28,090	-	-	13	1,820	1	1,617
Minority biomedical support (S06, S14)	-	-	-	-	101	45,141	-	-	-	-
Other ^c	42	21,418	42	2,612	170	12,370	149	10,526	73	4,312

See footnotes on first page of table.

(Continued)

Table 33 (Cont.)

**NIH Research Grants^a by Kind of Grant
and NIH Component, Fiscal Year 1992**

(Dollars in Thousands)

Kind of grant and activity code	FIC		NCHGR		NCNR		NCRR		NLM	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	43	\$1,028	243	\$93,161	222	\$39,852	921	\$290,656	60	\$11,933
Research projects	-	-	183	60,626	172	33,908	105	14,446	-	-
Traditional (R01)	-	-	158	48,129	129	29,242	61	10,922	-	-
Research program projects (P01)	-	-	6	9,578	-	-	-	-	-	-
SBIR (R43, R44)	-	-	9	1,212	5	451	42	3,280	-	-
MERIT awards (R37)	-	-	2	858	-	-	-	-	-	-
Outstanding investigator (R35)	-	-	-	-	-	-	-	-	-	-
FIRST awards (R29)	-	-	8	848	33	2,987	2	243	-	-
Other (P41, ^b P42, R22, U01)	-	-	-	-	5	1,229	-	-	-	-
Research centers	-	-	14	29,352	7	1,667	214	245,875	-	-
Specialized (P50, U54)	-	-	6	18,205	2	1,114	-	-	-	-
Core grants (P30)	-	-	4	6,382	-	-	-	-	-	-
General clinical (M01)	-	-	-	-	-	-	79	125,999	-	-
Comprehensive (P60)	-	-	-	-	-	-	-	-	-	-
Biotechnology resource (P41, U41)	-	-	2	3,325	-	-	66	37,275	-	-
Primate research center (P51)	-	-	-	-	-	-	7	42,191	-	-
Animal resource (P40, U42)	-	-	-	-	-	-	42	14,405	-	-
RCMIs (G12)	-	-	-	-	-	-	20	26,005	-	-
Other (P20)	-	-	2	1,440	5	553	-	-	-	-
Other research	43	1,028	46	3,184	43	4,277	602	30,335	60	11,933
Biomedical research support and development (S03, S07, S10)	-	-	-	-	-	-	528	22,982	-	-
RCPAs (K)	-	-	8	542	12	901	12	851	1	34
Cooperative clinical (R10, U10)	-	-	-	-	-	-	-	-	-	-
Minority biomedical support (S06, S14)	-	-	-	-	-	-	-	-	-	-
Other ^c	43	1,028	38	2,642	31	3,376	62	6,501	59	11,899

See footnotes on first page of table.

Table 34

NIH Research Grants^a by Kind and Type, Fiscal Year 1992

(Dollars in Thousands)

Kind of grant and code	Total number ^b	Total		New		Continuation				Supplemental			
						Competing		Noncompeting		Competing		Noncompeting	
		Number ^c	Amount	Number	Amount	Number	Amount	Number	Amount	Number ^b	Amount	Number ^b	Amount
Total	27,848	27,037	\$6,220,538	5,296	\$849,468	2,764	\$873,841	18,478	\$4,380,620	121	\$18,037	1,189	\$98,572
Research projects	22,864	22,207	4,954,941	3,519	646,097	2,536	722,777	15,754	3,521,502	61	6,415	994	58,150
Traditional (R01)	16,924	16,483	3,182,069	2,274	431,769	1,961	415,645	11,972	2,303,882	32	2,811	685	27,962
Research program projects (P01)	906	816	762,696	88	74,843	114	117,035	568	558,406	23	2,593	113	9,820
SBIR (R43, R44)	751	751	82,056	504	24,791	123	30,745	121	26,295	-	-	3	227
MERIT awards (R37)	1,093	1,043	285,952	4	946	270	76,685	744	206,450	4	373	71	1,498
Outstanding investigator (R35)	93	91	69,862	5	3,196	15	13,790	70	52,655	-	-	3	222
FIRST awards (R29)	2,499	2,460	241,904	498	49,506	-	-	1,947	191,576	-	-	54	822
Other (P41, ^d P42, R22, U01)	598	563	330,402	146	61,047	53	68,879	332	182,239	2	638	65	17,599
Research centers	864	757	789,158	93	63,138	90	115,445	539	586,915	52	10,658	90	13,001
Specialized (P50, U54)	238	208	238,459	28	38,835	33	41,439	141	153,176	13	2,667	23	2,342
Core grants (P30)	260	230	229,700	15	7,097	20	22,614	188	192,838	4	432	33	6,718
General clinical (M01)	102	79	125,999	1	747	14	23,643	59	98,288	21	2,033	7	1,288
Comprehensive (P60)	50	43	55,394	2	1,991	7	7,565	31	45,290	-	-	10	549

^a Represents awards, not obligations.^b Each supplemental grant is counted separately.^c Supplements are only counted when the parent award is from a prior year's funds, and such supplements if multiple are counted as one.^d P41 for NIGMS only.^e D42, R03, R13, R15, R18, R21, R24, R25, R55, S15, U18, and U45 for all ICDs. Also, for NCRR and NLM only, includes P41, P50, R01, R29, R43, and U24.Source: Information Systems Branch, DRG
(Continued)

Table 34 (Cont.)

**NIH Research Grants^a by Kind and Type,
Fiscal Year 1992**

(Dollars in Thousands)

Kind of grant and code	Total num- ber ^b	Total		New		Continuation				Supplemental			
						Competing		Noncompeting		Competing		Noncompeting	
		Number ^c	Amount	Number	Amount	Number	Amount	Number	Amount	Number ^b	Amount	Number ^b	Amount
Research centers (cont.)	864	757	\$789,158	93	\$63,138	90	\$115,445	539	\$586,915	52	\$10,658	90	\$13,001
Biotechnology resource (P41, U41)	69	68	40,600	4	2,736	8	5,730	49	30,958	-	-	8	1,176
Primate research center (P51)	14	7	42,191	-	-	2	12,252	5	26,931	7	3,009	-	-
Animal resource (P40, U42)	43	42	14,405	-	-	5	897	32	12,652	-	-	6	857
RCMIs (G12)	27	20	26,005	1	1,026	1	1,306	16	21,125	7	2,516	2	32
Other (P20)	61	60	16,405	42	10,706	-	-	18	5,658	-	-	1	40
Other research	4,120	4,073	476,439	1,684	140,232	138	35,619	2,185	272,203	8	964	105	27,421
Biomedical research support and development (S03, S07, S10)	529	528	22,982	39	8,758	-	-	489	14,200	-	-	1	24
RCPAs (K)	1,424	1,424	119,562	343	27,995	5	1,513	1,062	88,602	-	-	14	1,452
Cooperative clinical (R10, U10)	503	472	160,137	50	7,754	26	15,193	356	112,504	-	-	71	24,686
Minority biomedical support (S06, S14)	112	101	45,141	2	373	22	10,182	72	32,859	8	964	8	763
Other ^e	1,552	1,548	128,616	1,250	95,352	85	8,731	206	24,037	-	-	11	497

See footnotes on first page of table.

Table 35

**NIH Research Grants^a by Type,
Fiscal Years 1983-1992**

(Dollars in Thousands)

Type of grant	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>AMOUNT</i>										
Total	\$2,702,266	\$3,086,967	\$3,591,345	\$3,739,147	\$4,401,188	\$4,727,320	\$5,054,738	\$5,239,849	\$5,706,748	\$6,220,538
New	371,995	427,050	577,633	528,730	690,359	655,239	597,534	598,573	759,401	849,468
Competing continuation	428,818	506,058	563,882	582,243	719,876	709,729	617,716	622,004	746,182	873,841
Noncompeting continuation	1,859,077	2,105,240	2,394,161	2,573,502	2,918,124	3,285,386	3,771,316	3,921,972	4,095,447	4,380,620
Supplemental	42,376	48,620	55,670	54,673	72,829	76,965	68,172	97,299	105,717	116,609
<i>NUMBER</i>										
Total^b	21,002	21,752	23,158	23,622	25,342	26,023	26,310	26,134	27,409	27,848
Total^c	20,779	21,535	22,958	23,445	25,026	25,754	26,022	25,725	26,920	27,037
New	3,842	4,042	4,703	4,402	5,153	4,974	4,561	4,375	5,180	5,296
Competing continuation	2,407	2,547	2,703	2,856	3,180	2,977	2,429	2,174	2,723	2,764
Noncompeting continuation	14,052	14,322	14,865	15,579	16,051	17,158	18,549	18,647	18,541	18,478
Supplemental ^b	701	841	887	785	958	914	771	938	965	1,310

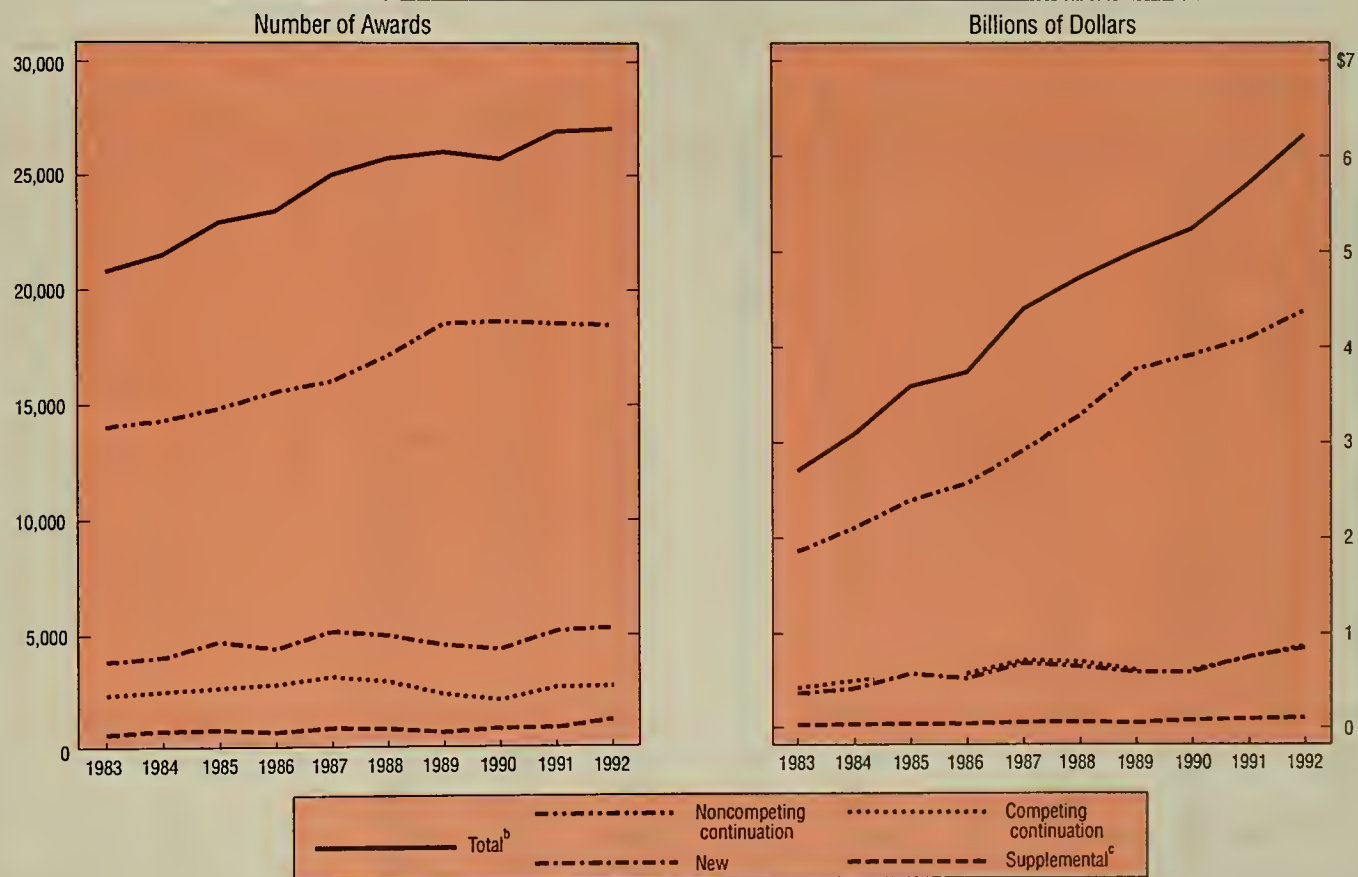
^a Represents awards, not obligations.

^b Each supplemental grant is counted separately.

^c Supplemental grants are counted only when the parent award is from prior years' funds; such supplements, if multiple, are counted as one.

Source: Information Systems Branch, DRG

Figure 35.1

NIH Research Grants^a by Type, Fiscal Years 1983–1992

^a Represents awards, not obligations.

^b Supplemental grants are counted only when the parent award is from prior years' funds; such supplements, if multiple, are counted as one.

^c Each supplemental grant is counted separately.

Source: Information Systems Branch, DRG

Table 36

**NIH Research Grants with Dollars Budgeted for Equipment^a
by Kind of Grant, Fiscal Years 1983–1992**

(Dollars in Thousands)

Kind of grant and activity code	1983		1984		1985		1986		1987	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	9,104	\$89,170	9,613	\$109,798	10,451	\$145,862	10,275	\$138,624	11,562	\$178,217
Research projects	8,431	61,285	8,822	70,201	9,508	85,892	9,265	83,776	9,971	102,089
Traditional (R01)	7,665	50,709	7,922	57,552	8,503	71,510	8,129	66,031	8,343	73,354
Research program projects (P01)	355	8,525	360	9,065	389	10,530	392	10,573	434	12,911
New investigator research (R23)	281	1,192	302	1,201	320	1,314	250	984	107	410
SBIR (R43, R44)	44	224	135	1,551	153	1,468	207	2,673	217	2,919
MERIT awards (R37)	—	—	—	—	—	—	134	1,858	235	2,929
Outstanding investigator (R35)	—	—	—	—	16	289	33	564	41	612
FIRST awards (R29)	—	—	—	—	—	—	14	66	422	5,866
Other (P41, ^b P42, R22, U01)	86	635	103	832	127	782	106	1,026	172	3,089
Research centers	284	10,437	350	15,493	369	20,511	347	17,233	320	16,975
Specialized (P50, U54)	93	2,038	110	2,314	112	3,165	108	2,806	115	3,115
Core grants (P30)	67	2,112	88	2,757	94	4,562	79	2,669	82	3,771
General clinical (M01)	44	1,319	58	3,827	52	2,234	53	1,519	23	620
Comprehensive (P60)	16	670	27	427	23	287	20	198	23	414
Biotechnology resource (P41, U41)	40	2,918	43	4,916	56	6,670	47	4,792	44	2,665
Primate research center (P51)	7	1,084	6	1,005	7	2,003	7	1,631	7	3,617
Animal resource (P40, U40, U42)	17	296	18	247	18	74	19	1,707	14	1,266
RCMIs (G12)	—	—	—	—	7	1,516	13	1,886	11	1,505
Other (P20)	—	—	—	—	—	—	1	26	1	1
Other research	389	17,448	441	24,105	574	39,459	663	37,616	1,271	59,153
Biomedical research support and development (S03, S10)	88	13,410	115	19,606	171	31,816	151	30,459	159	31,643
RCPAs (K)	89	248	88	242	136	435	144	543	179	773
Cooperative clinical (R10, U10)	44	243	40	413	35	283	27	154	51	814
Minority biomedical support (S06, S11, S14)	55	2,949	61	2,908	67	2,521	53	1,958	61	3,025
Other ^c	113	598	137	936	165	4,406	288	4,502	821	22,899

^a Numbers of grants with equipment budgeted and total dollars budgeted for equipment.

^b P41 for NIGMS only.

^c D42, R03, R13, R15, R18, R21, R24, R25, R26, R55, S15, U26, U45, and U50 for all ICDs. Also, for DRR (prior to 1990) and NLM only, includes P01, P41, P50, R01, R22, R23, R29, R43, R44, and U24. For NCRR only, includes U24. For NCRR in FY 1986 only, includes P01, R01, and R23.

Source: Information Systems Branch, DRG
(Continued)

Table 36 (Cont.)

**NIH Research Grants with Dollars Budgeted for Equipment^a
by Kind of Grant, Fiscal Years 1983-1992**

(Dollars in Thousands)

Kind of grant and activity code	1988		1989		1990		1991		1992	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	11,373	\$183,548	10,646	\$167,988	9,736	\$155,437	9,980	\$158,431	9,245	\$132,490
Research projects	9,759	103,864	9,071	90,071	8,241	82,510	8,406	83,968	7,952	88,757
Traditional (R01)	7,799	70,849	7,127	64,373	6,377	56,959	6,457	57,640	6,023	58,263
Research program projects (P01)	454	14,218	432	9,901	398	9,940	385	9,662	372	10,212
New investigator research (R23)	31	110	8	35	-	-	-	-	-	-
SBIR (R43, R44)	208	2,677	248	2,914	263	3,820	308	4,448	308	3,973
MERIT awards (R37)	353	4,145	372	3,634	396	3,171	450	3,823	433	4,217
Outstanding investigator (R35)	45	690	48	818	46	653	49	870	49	856
FIRST awards (R29)	654	7,613	638	5,831	590	5,377	580	4,776	573	4,828
Other (P41, ^b P42, R22, U01)	215	3,561	198	2,565	171	2,589	177	2,749	194	6,408
Research centers	334	18,241	336	19,363	331	20,187	355	19,203	368	22,405
Specialized (P50, U54)	107	2,224	108	1,852	94	3,348	102	2,295	114	3,938
Core grants (P30)	87	4,004	94	4,617	106	4,513	108	4,070	101	3,198
General clinical (M01)	26	1,068	26	868	28	2,061	35	2,209	33	2,228
Comprehensive (P60)	26	756	18	117	16	357	17	423	22	441
Biotechnology resource (P41, U41)	46	4,393	48	4,419	48	4,575	44	3,189	45	4,596
Primate research center (P51)	7	3,170	10	3,861	7	3,121	7	2,911	7	4,929
Animal resource (P40, U40, U42)	21	1,096	18	590	18	526	15	735	14	595
RCMIs (G12)	14	1,531	14	3,040	13	1,592	14	3,232	13	2,234
Other (P20)	-	-	-	-	1	94	13	138	19	247
Other research	1,280	61,444	1,239	58,554	1,164	52,740	1,219	55,260	925	21,328
Biomedical research support and development (S03, S10)	169	32,436	151	31,915	144	32,489	139	32,658	39	8,758
RCPAs (K)	199	868	202	934	177	871	172	728	199	883
Cooperative clinical (R10, U10)	43	426	40	309	48	188	57	892	74	2,649
Minority biomedical support (S06, S11, S14)	56	2,093	43	1,267	48	962	51	2,108	42	1,204
Other ^c	813	25,621	803	24,130	747	18,230	800	18,873	571	7,834

See footnotes on first page of table.

Table 37

Indirect Costs of NIH Research Grants^a by Type of Performer, Fiscal Years 1983–1992

(Dollars in Thousands)

Type of performer	1983			1984			1985			1986			1987		
	Total costs	Indirect costs		Total costs	Indirect costs		Total costs	Indirect costs		Total costs	Indirect costs		Total costs	Indirect costs	
		Amount	Percent		Amount	Percent		Amount	Percent		Amount	Percent		Amount	Percent
Total	\$2,570,556	\$791,412	30.8%	\$2,943,726	\$921,563	31.3%	\$3,392,720	\$1,068,897	31.5%	\$3,536,334	\$1,116,961	31.6%	\$4,156,066	\$1,308,799	31.5%
Public	1,086,836	295,907	27.2	1,249,163	348,020	27.9	1,451,147	404,689	27.9	1,506,509	425,521	28.2	1,781,734	503,344	28.3
Private	1,483,720	495,506	33.4	1,694,563	573,543	33.8	1,941,573	664,208	34.2	2,029,825	691,441	34.1	2,374,332	805,455	33.9
Higher education	2,077,360	644,699	31.0	2,366,313	743,058	31.4	2,715,913	854,696	31.5	2,821,152	892,078	31.6	3,301,106	1,040,268	31.5
Public	1,054,614	286,578	27.2	1,211,282	337,047	27.8	1,409,268	392,362	27.8	1,466,477	414,264	28.2	1,731,894	490,568	28.3
Private	1,022,746	358,121	35.0	1,155,031	406,011	35.2	1,306,645	462,334	35.4	1,354,675	477,814	35.3	1,569,212	549,700	35.0
Research institutes	239,139	82,103	34.3	273,991	95,166	34.7	314,166	111,177	35.4	329,473	117,082	35.5	387,764	139,173	35.9
Public	1,641	494	30.1	1,754	531	30.3	1,869	570	30.5	1,923	562	29.2	3,167	998	31.5
Private	237,499	81,609	34.4	272,237	94,636	34.8	312,297	110,607	35.4	327,550	116,520	35.6	384,596	138,175	35.9
Independent hospitals^b	203,955	52,341	25.7	232,205	65,071	28.0	277,315	80,743	29.1	286,133	83,522	29.2	353,146	100,797	28.5
Public	25,586	7,394	28.9	29,938	8,658	28.9	32,615	9,597	29.4	29,717	8,690	29.2	37,808	10,271	27.2
Private	178,369	44,947	25.2	202,267	56,413	27.9	244,699	71,146	29.1	256,416	74,832	29.2	315,339	90,526	28.7
Other	50,102	12,268	24.5	71,218	18,268	25.7	85,326	22,282	26.1	99,576	24,280	24.4	114,050	28,561	25.0
Public	4,995	1,440	28.8	6,190	1,785	28.8	7,395	2,160	29.2	8,393	2,004	23.9	8,865	1,506	17.0
Private	45,107	10,828	24.0	65,028	16,483	25.3	77,931	20,122	25.8	91,184	22,275	24.4	105,185	27,054	25.7

^a Represents awards, not obligations. Unobligated balances from prior years' awards are carried forward as direct costs and therefore excluded. Also excludes RCPAs, BRS and BRD grants, conference grants, awards to minority student apprentice programs, research centers in minority institutions, NCI education projects, education projects for all other ICDs after FY 1984, and foreign grants.

^b Includes government hospitals and those not owned by institutions shown above.

Source: Information Systems Branch, DRG
(Continued)

Table 37 (Cont.)

**Indirect Costs of NIH Research Grants^a by Type of
Performer, Fiscal Years 1983-1992**

(Dollars in Thousands)

Type of performer	1988			1989			1990			1991			1992		
	Total costs	Indirect costs		Total costs	Indirect costs		Total costs	Indirect costs		Total costs	Indirect costs		Total costs	Indirect costs	
		Amount	Percent		Amount	Percent		Amount	Percent		Amount	Percent		Amount	Percent
Total	\$4,475,189	\$1,407,718	31.5%	\$4,795,327	\$1,525,838	31.8%	\$4,977,049	\$1,593,524	32.0%	\$5,431,278	\$1,737,557	32.0%	\$5,999,868	\$1,890,351	31.5%
Public	1,910,155	543,706	28.5	2,050,293	594,584	29.0	2,136,701	625,369	29.3	2,353,426	691,546	29.4	2,572,836	742,878	28.9
Private	2,565,033	864,012	33.7	2,745,034	931,254	33.9	2,840,348	968,155	34.1	3,077,852	1,046,011	34.0	3,427,032	1,147,472	33.5
Higher education	3,552,484	1,113,582	31.3	3,789,257	1,198,710	31.6	3,930,527	1,245,868	31.7	4,286,856	1,351,911	31.5	4,707,637	1,463,726	31.1
Public	1,860,645	531,793	28.6	2,002,566	582,770	29.1	2,085,471	613,448	29.4	2,305,440	679,537	29.5	2,520,021	730,649	29.0
Private	1,691,839	581,789	34.4	1,786,691	615,940	34.5	1,845,056	632,420	34.3	1,981,416	672,374	33.9	2,187,617	733,077	33.5
Research institutes	421,196	154,166	36.6	452,786	168,674	37.3	465,773	174,401	37.4	502,723	189,981	37.8	572,933	210,049	36.7
Public	4,871	1,512	31.0	4,687	1,537	32.8	4,914	1,573	32.0	5,516	1,724	31.3	6,988	1,992	28.5
Private	416,325	152,654	36.7	448,100	167,137	37.3	460,859	172,828	37.5	497,207	188,257	37.9	565,946	208,057	36.8
Independent hospitals^b	371,743	105,940	28.5	409,785	120,983	29.5	425,025	132,251	31.1	469,150	150,330	32.0	508,603	166,288	32.7
Public	37,838	9,358	24.7	33,762	8,619	25.5	35,303	8,776	24.9	34,214	8,872	25.9	37,500	9,033	24.1
Private	333,905	96,582	28.9	376,023	112,364	29.9	389,722	123,475	31.7	434,936	141,458	32.5	471,102	157,255	33.4
Other	129,765	34,030	26.2	143,499	37,470	26.1	155,723	41,004	26.3	172,550	45,336	26.3	210,695	50,287	23.9
Public	6,802	1,043	15.3	9,278	1,657	17.9	11,013	1,571	14.3	8,257	1,413	17.1	8,327	1,204	14.5
Private	122,964	32,987	26.8	134,220	35,813	26.7	144,710	39,433	27.2	164,293	43,922	26.7	202,368	49,084	24.3

See footnotes on first page of table.

Table 38

**Number of Awards and Success Rates for NIH Competing
Research Projects by NIH Component,^a
Fiscal Years 1983-1992**

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>NUMBER AWARDED</i>										
Total	5,389	5,493	6,246	6,149	6,446	6,212	5,383	4,845	5,771	6,039
NIA	152	129	209	205	201	214	194	192	329	294
NIAID	522	507	549	540	641	636	652	627	641	619
NIAMS	176	171	194	199	179	188	185	149	228	153
NCI	886	969	1,017	950	1,061	979	728	728	840	1,079
NICHD	452	415	469	490	545	450	433	311	370	395
NIDCD	-	-	-	-	-	-	98	130	135	124
NIDR	133	123	131	149	130	114	109	105	132	107
NIDDK	601	614	592	637	686	594	504	425	518	628
NIEHS	98	138	108	107	128	114	100	104	103	129
NEI	247	309	367	362	313	277	310	254	247	247
NIGMS	835	702	987	981	851	1,044	829	623	874	925
NHLBI	748	852	901	886	966	851	698	675	717	759
NINDS	539	564	722	643	697	700	493	409	474	443
NCHGR	-	-	-	-	-	-	-	38	75	40
NCNR	-	-	-	-	48	51	50	48	50	44
NCRR	-	-	-	-	-	-	-	27	38	53

^a Excludes NLM, DRR, and cancer control research projects. Includes NCRR (starting in FY 1990).

^b Number awarded as a percentage of the sum of the number of applications reviewed and the number of funded carryovers.

Source: Information Systems Branch, DRG
(Continued)

Table 38 (Cont.)

**Number of Awards and Success Rates for NIH Competing
Research Projects by NIH Component,^a
Fiscal Years 1983–1992**

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>SUCCESS RATES^b</i>										
All NIH	32.0%	32.6%	33.3%	32.1%	34.8%	32.3%	27.4%	24.0%	29.3%	29.7%
NIA	21.1	20.1	27.0	24.9	27.3	25.3	22.7	21.4	30.4	28.9
NIAID	34.4	33.6	33.6	31.5	34.0	30.6	29.9	27.2	31.0	29.6
NIAMS	34.8	33.0	30.4	30.6	28.5	26.0	26.4	20.0	31.3	17.5
NCI	29.1	32.9	31.9	30.1	34.1	32.7	25.0	23.5	27.5	32.2
NICHD	28.1	24.7	24.7	23.9	32.8	24.6	24.2	19.3	25.1	26.3
NIDCD	–	–	–	–	–	–	38.6	36.9	30.9	30.2
NIDR	37.0	33.0	34.3	33.0	28.2	25.3	23.2	20.9	30.0	27.1
NIDDK	35.1	35.4	32.4	33.1	37.8	31.8	26.3	23.0	26.8	32.7
NIEHS	35.4	42.6	27.8	25.7	28.5	28.5	26.4	28.3	27.5	28.0
NEI	41.2	46.3	46.0	46.1	49.5	42.8	42.8	37.5	32.8	31.0
NIGMS	38.1	33.2	42.3	40.0	37.6	38.5	28.4	22.0	34.4	35.7
NHLBI	29.6	34.8	32.4	31.2	32.5	31.3	25.6	24.9	27.5	29.2
NINDS	30.1	29.5	33.9	33.9	39.4	39.6	31.6	24.2	29.9	26.6
NCHGR	–	–	–	–	–	–	–	23.3	37.9	21.6
NCNR	–	–	–	–	30.0	26.4	18.7	16.4	19.2	15.4
NCRR	–	–	–	–	–	–	–	21.6	28.8	32.7

See footnotes on first page of table.

Table 39

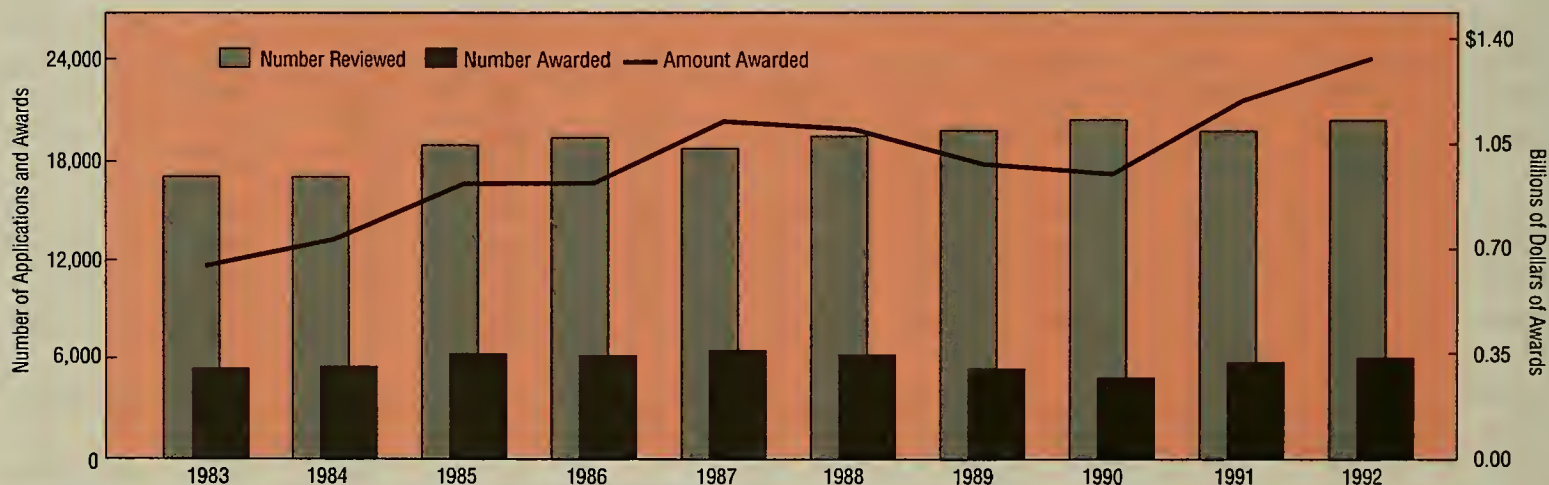
**Applications for NIH Competing Research Projects
Reviewed and Awarded,^a Fiscal Years 1983-1992**

(Dollars in Thousands)

Applications	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AMOUNT										
Reviewed	\$2,305,448	\$2,403,389	\$2,954,883	\$3,120,455	\$3,319,726	\$3,728,726	\$3,944,199	\$4,418,678	\$4,538,694	\$4,899,213
Awarded	643,424	732,017	918,102	919,470	1,124,572	1,098,537	982,375	949,488	1,192,970	1,334,118
NUMBER										
Reviewed	16,798	16,794	18,673	19,119	18,470	19,205	19,535	20,154	19,501	20,142
Awarded	5,389	5,493	6,246	6,149	6,446	6,212	5,383	4,845	5,771	6,039

Figure 39.1

**Number of Applications for NIH Competing Research Projects and Number and Dollars of Awards,^a
Fiscal Years 1983-1992**



^a Excludes NLM, DRR, and cancer control research projects. Includes NCRR (starting in FY 1990). Represents grants coded R01, R22, R23, R29, R35, R37, R43, R44, P01, P42, and U01, and for NIGMS only, P41. Original applications and their amendments for the same fiscal year are counted as one. As in other award tables, dollar figures represent total costs (direct and indirect). Indirect costs included under "Reviewed" are based on indirect cost rates for each ICD's funded applications in year shown.

Source: Information Systems Branch, DRG

Table 40

**Average Length in Years of Competing Traditional
Research Project (R01) Awards^a by NIH Component,
Fiscal Years 1983–1992**

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
All NIH	3.30	3.36	3.37	3.58	3.74	3.92	4.01	4.10	3.78	3.76
NIA	2.85	2.81	2.87	3.16	3.13	3.55	3.49	3.74	3.79	3.66
NIAID	3.50	3.55	3.39	3.51	3.72	4.02	4.03	4.18	4.06	3.97
NIAMS	3.38	3.33	3.34	3.71	3.81	3.97	3.95	4.23	3.73	3.70
NCI	3.22	3.23	3.20	3.43	3.52	3.81	3.84	3.93	3.72	3.64
NICHD	3.08	3.07	3.07	3.30	3.41	3.72	3.69	3.89	3.79	3.73
NIDCD	–	–	–	–	–	–	4.38	4.20	3.84	3.73
NIDR	2.99	2.95	3.26	3.19	3.50	3.44	3.88	3.77	3.81	3.72
NIDDK	3.49	3.41	3.46	3.62	3.87	3.89	4.12	4.21	3.89	3.91
NIEHS	3.25	3.14	3.13	3.33	3.27	3.75	3.82	3.87	3.57	3.58
NEI	3.55	3.55	3.40	3.66	3.97	4.06	4.29	4.07	3.83	3.76
NIGMS	3.49	3.58	3.52	3.90	4.10	4.12	4.23	4.39	3.75	3.67
NHLBI	3.24	3.26	3.54	3.57	3.96	4.00	4.16	4.20	3.75	3.92
NINDS	3.02	3.57	3.49	3.62	3.68	3.93	3.88	4.08	3.75	3.80
NCHGR	–	–	–	–	–	–	–	3.30	3.00	2.97
NCNR	–	–	–	–	2.76	3.00	3.24	3.70	3.43	3.87
NCRR	–	–	–	–	–	–	–	3.73	3.44	3.75

^a Excludes supplemental grants.

Table 41

**Average Size of Traditional Research Project (R01)
Awards^a by NIH Component, Fiscal Years 1983–1992
in Current and Constant Dollars**

(Thousands)

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>CURRENT DOLLARS</i>										
All NIH	\$109.7	\$123.5	\$134.5	\$136.8	\$151.8	\$154.9	\$163.4	\$173.6	\$184.8	\$195.6
NIA	99.5	112.2	120.7	124.5	133.0	138.2	149.9	163.1	174.6	188.3
NIAID	112.8	124.6	139.8	135.3	155.3	161.4	167.2	176.7	186.0	197.2
NIAMS	110.4	120.9	132.1	132.6	150.1	151.3	158.9	166.5	182.3	192.6
NCI	110.9	126.9	135.2	142.3	156.5	159.4	167.6	177.2	196.1	207.0
NICHD	104.8	118.7	126.8	124.6	134.0	140.3	148.1	162.9	165.4	175.7
NIDCD	—	—	—	—	—	—	151.6	169.6	175.5	187.5
NIDR	96.7	109.5	120.9	122.6	133.1	137.4	143.5	147.0	159.9	174.8
NIDDK	112.7	126.4	135.8	138.3	154.8	157.7	167.5	179.0	182.2	187.3
NIEHS	102.8	115.1	126.3	126.5	143.5	147.2	155.7	167.7	173.0	181.0
NEI	109.5	118.8	130.8	128.9	145.0	143.5	151.8	158.2	168.9	179.3
NIGMS	108.4	122.8	133.6	134.3	148.9	156.2	163.7	169.1	178.0	186.3
NHLBI	121.9	136.3	153.4	159.9	172.5	172.6	184.7	189.7	203.0	216.2
NINDS	96.7	111.0	119.2	123.7	143.9	142.8	149.4	164.3	182.4	198.3
NCHGR	—	—	—	—	—	—	—	305.4	311.3	310.2
NCNR	—	—	—	—	146.1	164.9	180.2	196.4	206.5	236.6
NCRR	—	—	—	—	—	—	—	160.1	165.6	188.0

^a Represents total costs, except that supplements to prior years' grants are excluded.

^b FY 1983=100. Constant dollars are based on the Biomedical R&D Price Index (see inside back cover).

Source: Information Systems Branch, DRG
(Continued)

Table 41 (Cont.)

**Average Size of Traditional Research Project (R01)
Awards^a by NIH Component, Fiscal Years 1983-1992
in Current and Constant Dollars**

(Thousands)

NIH component	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>CONSTANT DOLLARS^b</i>										
All NIH	\$109.7	\$116.7	\$120.9	\$118.1	\$124.4	\$120.8	\$121.1	\$122.0	\$123.8	\$124.9
NIA	99.5	106.0	108.5	107.4	109.0	107.8	111.1	114.6	116.9	120.2
NIAID	112.8	117.7	125.7	116.8	127.3	125.9	123.9	124.2	124.5	125.9
NIAMS	110.4	114.3	118.7	114.4	123.0	118.0	117.8	117.0	122.1	123.0
NCI	110.9	119.9	121.6	122.8	128.2	124.3	124.2	124.6	131.3	132.1
NICHD	104.8	112.1	114.0	107.6	109.8	109.4	109.8	114.5	110.7	112.1
NIDCD	-	-	-	-	-	-	112.3	119.2	117.5	119.7
NIDR	96.7	103.5	108.7	105.8	109.0	107.2	106.3	103.3	107.1	111.6
NIDDK	112.7	119.4	122.1	119.4	126.9	123.0	124.1	125.8	122.0	120.0
NIEHS	102.8	108.8	113.6	109.2	117.6	114.8	115.4	117.9	115.8	115.5
NEI	109.5	112.2	117.6	111.2	118.8	111.9	112.5	111.2	113.1	114.5
NIGMS	108.4	116.0	120.1	115.9	122.0	121.8	121.3	118.8	119.2	118.9
NHLBI	121.9	128.8	138.0	138.0	141.3	134.6	136.9	133.3	135.9	138.0
NINDS	96.7	104.9	107.1	106.7	117.9	111.4	110.7	115.5	122.1	126.6
NCHGR	-	-	-	-	-	-	-	214.7	208.4	198.0
NCNR	-	-	-	-	119.7	128.6	133.6	138.1	138.3	151.0
NCRR	-	-	-	-	-	-	-	112.5	110.9	120.0

See footnotes on first page of table.

Table 42

**Major NIH Career Development Awards by Recipient's
Type of Doctorate,^a Fiscal Years 1983-1992**

(Dollars in Thousands)

Kind of award and code	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>AMOUNTS OF AWARDS TO INDIVIDUALS</i>										
Total	\$47,130	\$50,166	\$70,537	\$72,700	\$79,851	\$83,400	\$81,482	\$84,759	\$99,116	\$101,614
Modified research career development (K04)	26,797	24,762	29,838	27,477	24,846	23,925	20,744	20,870	20,451	17,799
M.D. or equivalent	5,781	5,290	6,651	6,060	5,520	5,583	5,065	4,634	4,343	3,407
Ph.D. or equivalent	20,012	18,790	22,024	20,499	18,473	17,815	15,364	16,183	16,044	14,392
Other	1,004	682	1,163	918	853	527	316	53	65	-
Academic/Teacher (K07)	11,755	11,467	13,767	11,169	12,198	10,051	8,590	7,904	10,600	10,682
M.D. or equivalent	9,610	9,110	11,344	9,043	9,942	7,796	7,039	6,799	9,040	8,964
Ph.D. or equivalent	1,922	2,154	1,987	1,676	1,861	2,024	1,315	1,027	1,473	1,630
Other	223	204	436	451	395	231	236	78	88	88
Clinical investigator (K08)	8,579	11,896	20,603	24,268	27,764	30,332	31,059	33,367	40,714	45,137
M.D. or equivalent	7,821	10,579	18,162	20,971	24,740	27,407	28,636	31,263	38,711	41,890
Ph.D. or equivalent	525	590	1,135	1,694	1,802	1,790	1,648	1,489	1,570	2,866
Other	233	727	1,305	1,602	1,222	1,135	775	614	433	381
Physician scientist (K11)	-	2,041	6,129	9,226	13,901	17,671	19,229	20,847	25,545	26,502
M.D. or equivalent	-	1,988	5,919	8,815	13,361	16,613	18,054	19,664	24,371	25,630
Ph.D. or equivalent	-	53	135	68	174	450	759	833	958	698
Other	-	-	74	343	367	607	416	350	216	174
Dentist scientist (K15)	-	-	201	560	1,142	1,422	1,860	1,771	1,806	1,494
M.D. or equivalent	-	-	136	505	1,083	1,305	1,676	1,628	1,730	1,335
Ph.D. or equivalent	-	-	-	-	-	50	53	71	76	63
Other	-	-	65	55	59	67	131	72	-	96
<i>AMOUNTS OF PROGRAM AWARDS</i>										
Total	-	\$372	\$2,430	\$3,865	\$6,032	\$7,775	\$8,649	\$8,633	\$10,699	\$13,307
Physician scientist (K12)	-	372	1,472	2,397	3,429	4,079	4,307	3,901	4,864	7,730
Dentist scientist (K16)	-	-	958	1,468	2,604	3,696	4,342	4,732	5,835	5,577

^a Awards to recipients holding both M.D. and Ph.D. or equivalent are under M.D.

Source: Information Systems Branch, DRG
(Continued)

Table 42 (Cont.)

**Major NIH Career Development Awards by Recipient's
Type of Doctorate,^a Fiscal Years 1983-1992**

(Dollars in Thousands)

Kind of award and code	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
NUMBERS OF AWARDS TO INDIVIDUALS										
Total	1,106	1,133	1,249	1,237	1,308	1,347	1,278	1,263	1,293	1,307
Modified research career development (K04)	700	633	587	539	486	459	396	340	313	276
M.D. or equivalent	153	137	128	119	107	106	97	76	66	52
Ph.D. or equivalent	520	479	437	402	362	343	293	263	246	224
Other	27	17	22	18	17	10	6	1	1	-
Academic/Teacher (K07)	227	224	219	168	168	134	102	90	107	108
M.D. or equivalent	183	178	180	135	134	99	81	75	88	86
Ph.D. or equivalent	39	43	34	28	30	33	19	14	18	21
Other	5	3	5	5	4	2	2	1	1	1
Clinical investigator (K08)	179	239	344	382	431	470	471	503	527	569
M.D. or equivalent	163	212	295	330	384	425	433	471	499	526
Ph.D. or equivalent	11	12	18	26	27	28	26	23	22	38
Other	5	15	31	26	20	17	12	9	6	5
Physician scientist (K11)	-	37	96	139	205	262	280	302	321	334
M.D. or equivalent	-	36	93	133	197	246	262	284	306	322
Ph.D. or equivalent	-	1	2	1	3	7	12	12	12	9
Other	-	-	1	5	5	9	6	6	3	3
Dentist scientist (K15)	-	-	3	9	18	22	29	28	25	20
M.D. or equivalent	-	-	2	8	17	20	26	26	24	18
Ph.D. or equivalent	-	-	-	-	-	1	1	1	1	1
Other	-	-	1	1	1	1	2	1	-	1
NUMBERS OF PROGRAM AWARDS										
Total	-	3	17	18	21	21	21	27	29	44
Physician scientist (K12)	-	3	9	9	12	12	12	15	17	32
Dentist scientist (K16)	-	-	8	9	9	9	9	12	12	12

See footnote on first page of table.

Table 43

**Number of Appointments in NIH Research Training
Programs by Academic Level and Type,^a
Fiscal Years 1983-1992**

Academic level	1983	1984	1985	1986	1987	1988	1989	1990 (est.)	1991 (est.)	1992 (est.)
Total of A or B	12,142	12,026	12,112	11,720	12,296	12,104	12,061	12,514	13,075	12,970
A. ACADEMIC LEVEL										
Predoctoral	6,651	6,595	6,361	6,144	6,606	6,673	6,839	7,009	7,566	7,156
Individual	27	43	42	112	195	193	205	227	342	359
Predoctoral NRSA (F31)	23	39	39	105	186	183	198	221	339	354
MARC NRSA faculty fellowships (F34)	4	4	3	7	9	10	7	6	3	5
Institutional	6,624	6,552	6,319	6,032	6,411	6,480	6,634	6,782	7,224	6,797
NRSA (T32 excluding MSTP)	4,285	4,130	3,984	3,840	4,147	4,187	4,328	4,661	4,908	4,368
MSTP	678	692	713	701	768	770	767	810	825	840
Continuing education training (T15)	9	1	1	-	7	14	20	22	29	15
MARC undergraduate NRSA (T34)	374	404	433	449	434	475	459	500	592	419
NRSA short-term research training (T35)	1,278	1,325	1,188	1,042	1,055	1,034	1,060	789	870	1,155
Postdoctoral	5,491	5,431	5,751	5,576	5,690	5,431	5,222	5,505	5,509	5,814
M.D.	2,227	2,304	2,444	2,461	2,561	2,562	2,452	2,400	2,370	2,651
Individual	326	367	370	349	373	376	346	344	376	315
Postdoctoral NRSA (F32)	313	358	347	311	325	334	319	320	352	293
NRSA to senior fellows (F33)	11	7	6	7	11	6	2	3	9	7
MARC NRSA faculty fellowships (F34)	2	2	2	1	-	-	-	-	-	-
Intramural NRSA postdoctoral (F35)	-	-	15	30	37	36	22	19	10	11
Medical informatics fellowships (F37)	-	-	-	-	-	-	3	2	5	4
Institutional	1,901	1,937	2,074	2,112	2,188	2,186	2,106	2,056	1,994	2,336
Continuing education training (T15)	43	40	22	23	40	45	41	40	43	n.a.
NRSA (T32)	1,844	1,894	2,047	2,077	2,128	2,122	2,046	2,000	1,945	n.a.
NRSA short-term research training (T35)	14	3	5	12	20	19	19	16	6	n.a.
Ph.D.	3,264	3,127	3,307	3,115	3,129	2,869	2,770	3,105	3,139	3,163
Individual	1,253	1,197	1,414	1,203	1,308	1,226	1,153	1,280	1,233	1,293
Postdoctoral NRSA (F32)	1,207	1,154	1,364	1,162	1,273	1,188	1,105	1,239	1,200	1,258
NRSA to senior fellows (F33)	27	25	24	21	21	24	34	25	18	18
MARC NRSA faculty fellowships (F34)	19	18	20	15	9	5	7	6	4	4
Intramural NRSA postdoctoral (F35)	-	-	5	4	5	9	7	5	7	8
MARC visiting scientists (F36)	-	-	1	1	-	-	-	2	-	-
Medical informatics fellowships (F37)	-	-	-	-	-	-	-	3	4	5
Institutional	2,011	1,930	1,893	1,912	1,821	1,643	1,617	1,825	1,906	1,870
Continuing education training (T15)	11	5	5	3	-	3	2	5	6	n.a.
NRSA (T32)	1,934	1,867	1,833	1,845	1,782	1,627	1,607	1,812	1,897	n.a.
NRSA short-term research training (T35)	66	58	55	64	39	13	8	8	3	n.a.

See footnote on the next page.

(Continued)

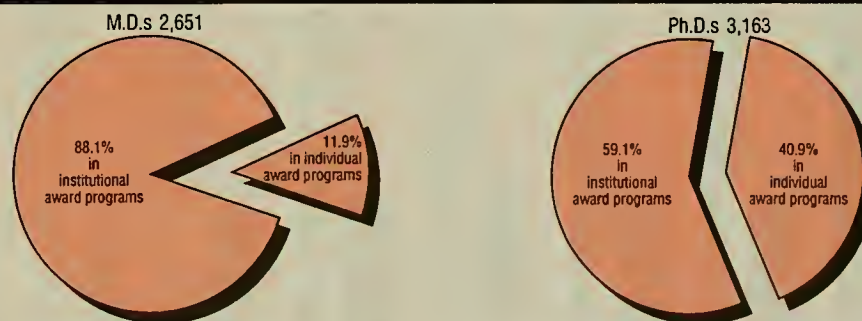
Table 43 (Cont.)

**Number of Appointments in NIH Research Training
Programs by Academic Level and Type,^a
Fiscal Years 1983–1992**

Type of appointment	1983	1984	1985	1986	1987	1988	1989	1990 (est.)	1991 (est.)	1992 (est.)
Total of A or B	12,142	12,026	12,112	11,720	12,296	12,104	12,061	12,514	13,075	12,970
B. TYPE OF APPOINTMENT										
Individual	1,606	1,607	1,826	1,664	1,876	1,795	1,704	1,851	1,951	1,967
Predoctoral (F31, F34)	27	43	42	112	195	193	205	227	342	359
Postdoctoral	1,579	1,564	1,784	1,552	1,681	1,602	1,499	1,624	1,609	1,608
F32	1,520	1,512	1,711	1,473	1,598	1,522	1,424	1,559	1,552	1,551
F33, F34, F35, F36, F37	59	52	73	79	83	80	75	65	57	57
Institutional	10,536	10,419	10,286	10,056	10,420	10,309	10,357	10,663	11,124	11,003
Predoctoral	6,624	6,552	6,319	6,032	6,411	6,480	6,634	6,782	7,224	6,797
T32	4,963	4,822	4,697	4,541	4,915	4,957	5,095	5,471	5,733	5,208
T35	1,278	1,325	1,188	1,042	1,055	1,034	1,060	789	870	1,155
T15, T34	383	405	434	449	441	489	479	522	621	434
Postdoctoral	3,912	3,867	3,967	4,024	4,009	3,829	3,723	3,881	3,900	4,206
T32	3,778	3,761	3,880	3,922	3,910	3,749	3,653	3,812	3,842	4,167
T15, T35	134	106	87	102	99	80	70	69	58	39

Figure 43.1

NIH Postdoctoral Training Appointments, Fiscal Year 1992 (est.)



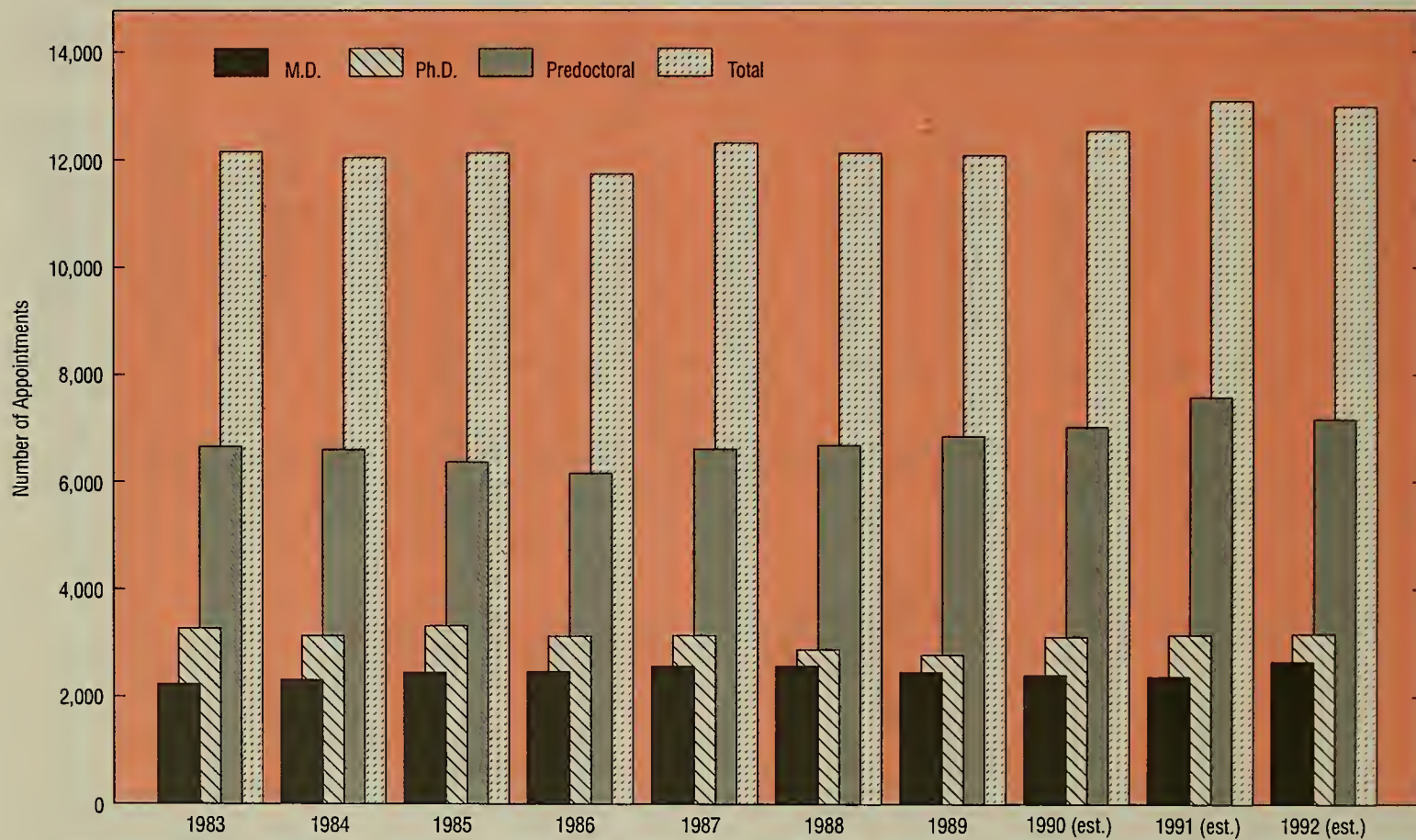
^a Revised. Based on year of funding. Excludes FIC. "M.D." includes equivalent professional doctorates. "Ph.D." includes equivalent academic doctorates. "M.D. and Ph.D." or equivalent included under "M.D."

NOTE: Number of appointments differs from corresponding number of FTTP (see Table 44) because a trainee in a part-time position is counted as a full unit under appointments but as a fraction of a unit under FTTP. In addition, these data are not strictly comparable with FTTP counts because of somewhat different methods used by the two data sources.

Source: Information Systems Branch, DRG

Figure 43.2

Number of Appointments in NIH Research Training
Programs by Academic Level, Fiscal Years 1983-1992



Source: Information Systems Branch, DRG

Table 44

**Number of NIH Full-Time-Equivalent Training Positions (FTTP)^a
by Academic Level, NIH Component, and Type,
Fiscal Years 1983–1992**

Fiscal year and academic level	Total NIH			NIA			NIAID			NIADDK			NIAMS			NCI		
	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.
1983	10,570	1,607	8,963	170	15	155	479	102	377	916	211	705	–	–	–	1,483	161	1,322
Predoctoral	5,254	34	5,220	83	–	83	146	–	146	52	–	52	–	–	–	572	–	572
Postdoctoral	5,316	1,573	3,743	87	15	72	333	102	231	864	211	653	–	–	–	911	161	750
1984	10,514	1,606	8,908	161	18	143	494	90	404	977	199	778	–	–	–	1,465	178	1,287
Predoctoral	5,149	51	5,098	71	–	71	147	–	147	70	–	70	–	–	–	566	–	566
Postdoctoral	5,365	1,555	3,810	90	18	72	347	90	257	907	199	708	–	–	–	899	178	721
1985	10,624	1,831	8,793	227	24	203	518	75	443	1,046	203	843	–	–	–	1,464	241	1,223
Predoctoral	4,963	52	4,911	93	–	93	163	–	163	107	–	107	–	–	–	542	2	540
Postdoctoral	5,661	1,779	3,882	134	24	110	355	75	280	939	203	736	–	–	–	922	239	683
1986	10,382	1,753	8,629	263	31	232	487	67	420	987	195	792	–	–	–	1,394	174	1,220
Predoctoral	5,011	204	4,807	98	–	98	156	–	156	99	–	99	–	–	–	521	4	517
Postdoctoral	5,371	1,549	3,822	165	31	134	331	67	264	888	195	693	–	–	–	873	170	703
1987	11,181	1,877	9,304	313	36	277	491	71	420	–	–	–	242	40	202	1,475	175	1,300
Predoctoral	5,438	196	5,242	137	–	137	155	–	155	–	–	–	15	–	15	577	9	568
Postdoctoral	5,743	1,681	4,062	176	36	140	336	71	265	–	–	–	227	40	187	898	166	732
1988	11,329	1,795	9,534	344	36	308	561	100	461	–	–	–	238	35	203	1,456	141	1,315
Predoctoral	5,560	191	5,369	139	–	139	173	–	173	–	–	–	17	–	17	568	8	560
Postdoctoral	5,769	1,604	4,165	205	36	169	388	100	288	–	–	–	221	35	186	888	133	755
1989	11,225	1,696	9,529	387	32	355	579	94	485	–	–	–	219	29	190	1,428	162	1,266
Predoctoral	5,726	205	5,521	167	–	167	189	–	189	–	–	–	14	–	14	548	8	540
Postdoctoral	5,499	1,491	4,008	220	32	188	390	94	296	–	–	–	205	29	176	880	154	726
1990	11,767	1,847	9,920	426	33	393	711	106	605	–	–	–	228	32	196	1,485	181	1,304
Predoctoral	5,999	230	5,769	190	–	190	225	–	225	–	–	–	10	–	10	567	10	557
Postdoctoral	5,768	1,617	4,151	236	33	203	486	106	380	–	–	–	218	32	186	918	171	747
1991	12,414	1,933	10,481	418	34	384	754	136	618	–	–	–	215	35	180	1,497	180	1,317
Predoctoral	6,619	322	6,297	175	–	175	243	–	243	–	–	–	14	2	12	584	15	569
Postdoctoral	5,795	1,611	4,184	243	34	209	511	136	375	–	–	–	201	33	168	913	165	748
1992	12,629	1,969	10,660	436	30	406	774	127	647	–	–	–	233	41	192	1,491	167	1,324
Predoctoral	6,807	360	6,447	200	4	196	259	–	259	–	–	–	14	4	10	597	24	573
Postdoctoral	5,822	1,609	4,213	236	26	210	515	127	388	–	–	–	219	37	182	894	143	751

^a Based on year of funding. Excludes FIC F05, F06, and F15 fellowships and NLM training programs.

Source: Division of Financial Management
(Continued)

Table 44 (Cont.)

**Number of NIH Full-Time-Equivalent Training Positions (FTTP)^a
by Academic Level, NIH Component, and Type,
Fiscal Years 1983-1992**

Fiscal year and academic level	NICHD			NIDCD			NIDR			NIDDK			NIEHS			NEI		
	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.
1983	671	95	576	-	-	-	221	44	177	-	-	-	459	30	429	219	79	140
Predoctoral	344	-	344	-	-	-	51	-	51	-	-	-	262	-	262	38	-	38
Postdoctoral	327	95	232	-	-	-	170	44	126	-	-	-	197	30	167	181	79	102
1984	656	113	543	-	-	-	221	41	180	-	-	-	448	28	420	222	85	137
Predoctoral	326	-	326	-	-	-	57	-	57	-	-	-	255	-	255	37	-	37
Postdoctoral	330	113	217	-	-	-	164	41	123	-	-	-	193	28	165	185	85	100
1985	702	127	575	-	-	-	197	37	160	-	-	-	483	44	439	220	111	109
Predoctoral	333	-	333	-	-	-	44	-	44	-	-	-	262	-	262	25	-	25
Postdoctoral	369	127	242	-	-	-	153	37	116	-	-	-	221	44	177	195	111	84
1986	728	115	613	-	-	-	192	45	147	-	-	-	446	43	403	232	118	114
Predoctoral	344	-	344	-	-	-	44	-	44	-	-	-	243	-	243	33	-	33
Postdoctoral	384	115	269	-	-	-	148	45	103	-	-	-	203	43	160	199	118	81
1987	736	99	637	-	-	-	225	55	170	915	164	751	462	41	421	229	101	128
Predoctoral	360	-	360	-	-	-	61	-	61	133	-	133	268	-	268	37	-	37
Postdoctoral	376	99	277	-	-	-	164	55	109	782	164	618	194	41	153	192	101	91
1988	723	102	621	-	-	-	224	44	180	916	167	749	480	36	444	252	81	171
Predoctoral	353	-	353	-	-	-	63	-	63	127	1	126	281	-	281	69	-	69
Postdoctoral	370	102	268	-	-	-	161	44	117	789	166	623	199	36	163	183	81	102
1989	640	86	554	105	16	89	189	35	154	825	130	695	434	35	399	251	77	174
Predoctoral	308	-	308	23	-	23	56	-	56	144	-	144	272	-	272	85	-	85
Postdoctoral	332	86	246	82	16	66	133	35	98	681	130	551	162	35	127	166	77	89
1990	677	90	587	112	24	88	195	33	162	804	135	669	481	37	444	258	84	174
Predoctoral	312	-	312	20	-	20	60	-	60	125	-	125	304	-	304	95	-	95
Postdoctoral	365	90	275	92	24	68	135	33	102	679	135	544	177	37	140	163	84	79
1991	723	104	619	142	31	111	211	32	179	843	143	700	556	50	506	261	95	166
Predoctoral	334	-	334	36	-	36	71	-	71	130	5	125	359	-	359	112	-	112
Postdoctoral	389	104	285	106	31	75	140	32	108	713	138	575	197	50	147	149	95	54
1992	743	103	640	166	29	137	205	35	170	849	132	717	467	54	413	262	84	178
Predoctoral	353	2	351	48	1	47	71	-	71	155	5	150	298	5	293	133	1	132
Postdoctoral	390	101	289	118	28	90	134	35	99	694	127	567	169	49	120	129	83	46

See footnote on first page of table.

(Continued)

Table 44 (Cont.)

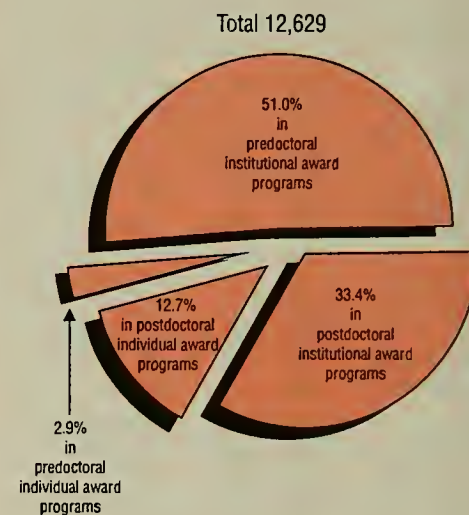
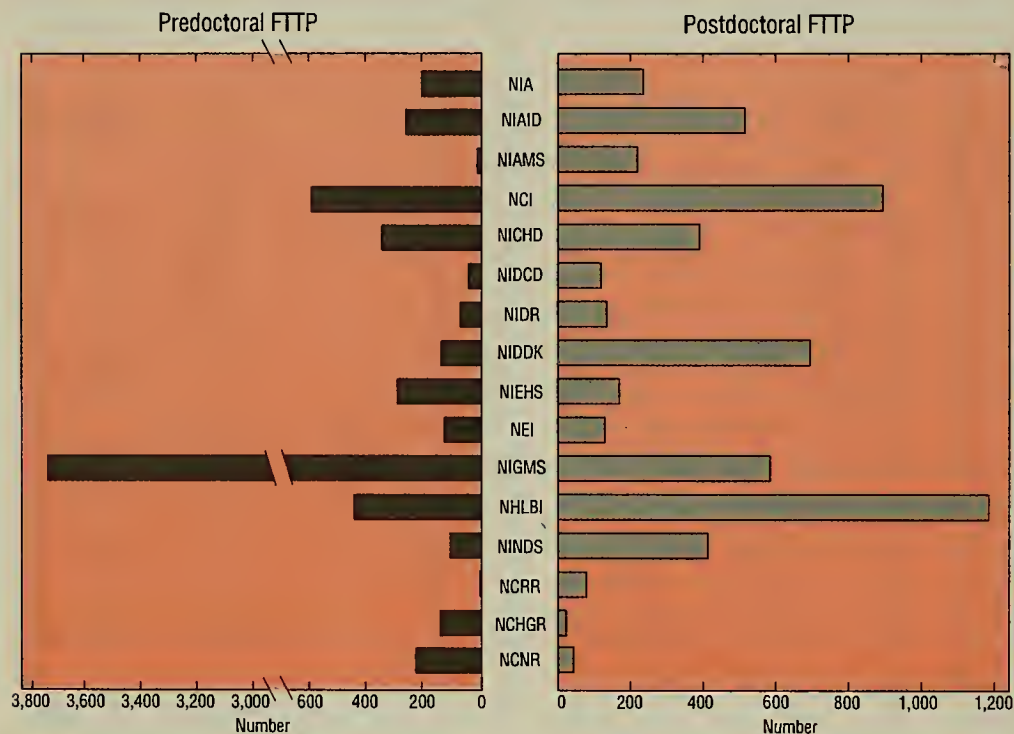
**Number of NIH Full-Time-Equivalent Training Positions (FTTP)^a
by Academic Level, NIH Component, and Type,
Fiscal Years 1983-1992**

Fiscal year and academic level	NIGMS			NHLBI			NINCDS			NINDS			DRR/NCRR			NCHGR			NCNR		
	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.	Total	Indiv.	Inst.
1983	3,713	417	3,296	1,626	210	1,416	576	240	336	-	-	-	37	3	34	-	-	-	-	-	-
Predoctoral	3,155	34	3,121	447	-	447	103	-	103	-	-	-	1	-	1	-	-	-	-	-	-
Postdoctoral	558	383	175	1,179	210	969	473	240	233	-	-	-	36	3	33	-	-	-	-	-	-
1984	3,581	419	3,162	1,688	219	1,469	565	213	352	-	-	-	36	3	33	-	-	-	-	-	-
Predoctoral	3,067	51	3,016	443	-	443	109	-	109	-	-	-	1	-	1	-	-	-	-	-	-
Postdoctoral	514	368	146	1,245	219	1,026	456	213	243	-	-	-	35	3	32	-	-	-	-	-	-
1985	3,396	502	2,894	1,709	210	1,499	623	253	370	-	-	-	39	4	35	-	-	-	-	-	-
Predoctoral	2,820	50	2,770	465	-	465	109	-	109	-	-	-	-	-	-	-	-	-	-	-	-
Postdoctoral	576	452	124	1,244	210	1,034	514	253	261	-	-	-	39	4	35	-	-	-	-	-	-
1986	3,238	443	2,795	1,633	188	1,445	581	180	401	-	-	-	36	3	33	-	-	-	165	151	14
Predoctoral	2,743	59	2,684	459	-	459	120	-	120	-	-	-	-	-	-	-	-	-	151	141	10
Postdoctoral	495	384	111	1,174	188	986	461	180	281	-	-	-	36	3	33	-	-	-	14	10	4
1987	3,566	556	3,010	1,666	193	1,473	653	212	441	-	-	-	41	3	38	-	-	-	167	131	36
Predoctoral	2,946	60	2,886	460	-	460	135	-	135	-	-	-	-	-	-	-	-	-	154	127	27
Postdoctoral	620	496	124	1,206	193	1,013	518	212	306	-	-	-	41	3	38	-	-	-	13	4	9
1988	3,587	490	3,097	1,655	218	1,437	640	210	430	-	-	-	67	4	63	-	-	-	186	131	55
Predoctoral	3,031	62	2,969	451	-	451	128	-	128	-	-	-	-	-	-	-	-	-	160	120	40
Postdoctoral	556	428	128	1,204	218	986	512	210	302	-	-	-	67	4	63	-	-	-	26	11	15
1989	3,702	480	3,222	1,628	188	1,440	-	-	-	546	179	367	73	3	70	-	-	-	219	150	69
Predoctoral	3,158	60	3,098	456	-	456	-	-	-	119	-	119	-	-	-	-	-	-	187	137	50
Postdoctoral	544	420	124	1,172	188	984	-	-	-	427	179	248	73	3	70	-	-	-	32	13	19
1990	3,838	505	3,333	1,519	214	1,305	-	-	-	564	186	378	82	9	73	130	10	120	257	168	89
Predoctoral	3,260	66	3,194	378	-	378	-	-	-	115	-	115	1	-	1	120	-	120	217	154	63
Postdoctoral	578	439	139	1,141	214	927	-	-	-	449	186	263	81	9	72	10	10	-	40	14	26
1991	4,215	564	3,651	1,567	201	1,366	-	-	-	503	141	362	82	5	77	158	20	138	269	162	107
Predoctoral	3,642	141	3,501	435	-	435	-	-	-	109	-	109	2	-	2	144	6	138	229	153	76
Postdoctoral	573	423	150	1,132	201	931	-	-	-	394	141	253	80	5	75	14	14	-	40	9	31
1992	4,333	591	3,742	1,640	221	1,419	-	-	-	516	164	352	82	7	75	171	30	141	261	154	107
Predoctoral	3,749	160	3,589	456	3	453	-	-	-	103	-	103	4	2	2	148	7	141	219	142	77
Postdoctoral	584	431	153	1,184	218	966	-	-	-	413	164	249	78	5	73	23	23	-	42	12	30

See footnote on first page of table.

Figure 44.1

**Number of NIH Full-Time-Equivalent Training Positions (FTTP)^a
by Academic Level, NIH Component, and Type,
Fiscal Year 1992**



^a Based on year of funding. Excludes FIC F05, F06, and F15 fellowships and NLM training programs.

Table 45

**Clinical Center Data by NIH Component, NIMH, and
NIAAA, Fiscal Years 1986, 1989, and 1992**

Component	Inpatient admissions			Inpatient days ^a			Average length of stay ^b			Number of beds (end of year)			Outpatient visits		
	1986	1989	1992	1986	1989	1992	1986	1989	1992	1986	1989	1992	1986	1989	1992
Total	8,830	9,454	9,896	108,796	104,730	87,729	12	11	9	502	478	437	145,323	143,765	160,491
NIH	8,404	9,145	9,345	87,328	87,581	68,778	10	10	8	431	407	367	130,120	124,483	139,767
NIA	132	102	168	978	1,093	1,327	7	11	8	6	6	8	357	995	254
NIAID	832	899	1,058	10,080	10,994	6,800	12	13	7	50	50	40	7,425	10,669	12,929
NIADDK	1,032	-	-	11,526	-	-	11	-	-	56	-	-	11,423	-	-
NIAMS	-	552	206	-	2,493	1,057	-	5	5	-	16	12	-	2,157	4,692
NCI	2,939	3,298	3,476	28,768	31,974	26,885	10	10	8	124	125	116	64,305	57,291	70,186
NICHD	901	1,085	1,004	6,525	8,015	7,159	7	7	7	40	44	42	6,479	6,836	4,346
NIDCD	-	-	18	-	-	96	-	-	5	-	-	2	-	-	3,284
NIDR	43	68	24	150	126	76	3	2	3	4	2	2	14,307	10,538	9,123
NIDDK	-	631	844	-	6,555	5,294	-	10	6	-	40	34	-	7,281	6,189
NEI	230	272	213	1,519	2,372	1,750	7	8	8	12	12	12	10,851	11,518	10,952
NHLBI	1,546	1,715	1,610	18,527	17,089	12,546	12	10	8	89	81	56	8,168	8,698	9,147
NINCDS	674	-	-	8,488	-	-	12	-	-	43	-	-	5,753	-	-
NINDS	-	480	672	-	6,168	5,315	-	13	8	-	24	35	-	7,313	8,097
CC ^c	75	43	52	767	702	473	9	14	11	7	7	8	1,052	1,187	568
NIMH^d	301	210	426	15,491	13,746	14,315	48	65	27	61	61	60	14,321	17,336	19,256
NIAAA^d	125	99	125	5,977	3,403	4,636	29	34	38	10	10	10	882	1,946	1,468

^a Summation of daily censuses.^b Average length of stay of discharged patients (number of days).^c Clinical Center patients admitted to the Critical Care Department.^d Prior to Fiscal Year 1993, a component of ADAMHA, not NIH. The NIH Clinical Center is used by NIMH and NIAAA for some intramural research.

Source: NIH Clinical Center

Table 46

**NIH Personnel by Degree Held, Type of Occupation, NIH Component,
Program, and Status^a as of End of Fiscal Year 1992**

Total Staff, 16,486;^b Total Full-Time Equivalent (FTE), 15,166^c

Degree held and type of occupation	Total staff ^b	Permanent full-time						Other than permanent full-time ^d
		Total (program or status)	Program			Status		
			ODs of NIH and ICDs	Intramural research	Other	Civil service	Commissioned Officer Corps	
Total of A, B, or C	16,486	12,596	2,208	5,790	4,598	11,698	898	3,890

A. DEGREE HELD

Doctorate	3,895	2,078	160	1,307	611	1,515	563	1,817
M.D. ^e	1,938	844	51	647	146	333	511	1,094
Ph.D.	1,815	1,131	98	602	431	1,102	29	684
D.D.S. or D.M.D.	27	22	4	14	4	11	11	5
D.V.M.	17	16	2	13	1	10	6	1
Other	98	65	5	31	29	59	6	33
Other than doctorate	12,591	10,518	2,048	4,483	3,987	10,183	335	2,073

B. TYPE OF OCCUPATION

Professional	8,080	5,053	258	3,591	1,204	4,187	866	3,027
Administrative	2,767	2,549	1,137	430	982	2,520	29	218
Technical	2,308	2,099	332	950	817	2,096	3	209
Clerical	2,129	1,851	445	657	749	1,851	—	278
Wage grade	1,106	961	35	159	767	961	—	145
Other	96	83	1	3	79	83	—	13

^a Excludes personnel coded as ceiling exempt and student volunteers.

^b Number exceeds FTE because each person is counted as a full unit, whereas under FTE a person in a part-time position is counted as a fraction of a unit. Also includes some staff in without-pay status.

^c Excludes staff in without-pay status.

^d Includes staff fellows and visiting scientists.

^e Includes persons holding both M.D. and Ph.D. or equivalent.

Source: Division of Personnel Management
(Continued)

Table 46 (Cont.)

**NIH Personnel by Degree Held, Type of Occupation, NIH Component,
Program, and Status^a as of End of Fiscal Year 1992**

Total Staff, 16,486;^b Total Full-Time Equivalent (FTE), 15,166^c

NIH component	Total staff ^b	Permanent full-time						Other than permanent full-time ^d
		Total (program or status)	Program			Status		
			ODs of NIH and ICDs	Intramural research	Other	Civil service	Commissioned Officer Corps	
C. NIH COMPONENT								
NIA	493	328	96	184	48	305	23	165
NIAID	1,180	879	140	445	294	799	80	301
NIAMS	213	118	40	43	35	106	12	95
NCI	2,732	2,039	377	1,419	243	1,788	251	693
NICHD	615	382	95	193	94	339	43	233
NIDCD	190	102	49	20	33	102	-	88
NIDR	396	244	46	163	35	221	23	152
NIDDK	752	444	60	278	106	397	47	308
NIEHS	789	549	199	202	148	531	18	240
NEI	301	177	38	112	27	171	6	124
NIGMS	217	166	118	1	47	164	2	51
NHLBI	1,036	732	136	283	313	661	71	304
NINDS	741	490	69	291	130	445	45	251
FIC	82	67	19	-	48	66	1	15
NCHGR	66	43	32	-	11	43	-	23
NCNR	64	43	-	-	43	40	3	21
NCRR	582	478	89	360	29	456	22	104
NLM	650	533	80	438	15	527	6	117
OD-NIH & management services	2,810	2,613	361	57	2,195	2,565	48	197
OD-NIH	417	311	254	57	-	297	14	106
OA	719	693	46	-	647	689	4	26
DRG	454	439	57	-	382	433	6	15
ORS	1,220	1,170	4	-	1,166	1,146	24	50
Central services	2,577	2,169	164	1,301	704	1,972	197	408
CC	2,255	1,870	124	1,249	497	1,679	191	385
DCRT	322	299	40	52	207	293	6	23

See footnotes on first page of table.

Table 47

**Mortality from Selected Causes, United States,
1979 and 1989**

Causes of death	Ninth ICD code ^a	1979			1989			Percentage change in death rates 1979-1989	
		Number	Percentage of all deaths	Death rates ^b	Rank	Number	Percentage of all deaths		Death rates ^b
Total		1,913,841	100.0%	577.0		2,150,466	100.0%	523.0	-9.4
Major cardiovascular diseases (excluding cerebrovascular)	390-429,439-448	788,794	41.2	212.6	1	786,287	37.8	166.2	-21.8
Diseases of the heart	390-398,402,404-429	733,235	38.3	199.5		733,867	35.3	155.9	-21.9
Atherosclerosis	440	28,801	1.5	5.7		19,357	1.0	3.0	-47.4
Hypertension with or without renal disease	401,403	7,275	0.4	1.9		8,766	0.4	1.8	-5.3
Malignant neoplasms	140-208	403,395	21.1	130.8	2	496,152	22.4	133.0	+1.7
Digestive organs and peritoneum	150-159	109,125	5.7	33.1		119,663	5.4	30.0	-9.4
Respiratory and intrathoracic	160-165	103,178	5.4	35.2		142,281	6.4	40.3	+14.5
Genital organs	179-187	45,402	2.4	13.6		54,952	2.5	13.1	-3.7
Female breast	174	34,400	1.8	22.3		42,837	1.9	12.5	-43.9
Diseases of the respiratory system	460-519	111,547	5.8	30.7	3	187,008	8.6	38.8	+26.4
Pneumonia and influenza	480-487	45,030	2.4	11.2		76,550	3.6	13.7	+22.3
Chronic obstructive pulmonary diseases and allied conditions	490-496	49,933	2.6	14.6		84,344	3.8	19.4	+32.9
Supplementary classification of external causes of injury and poisoning	E800-E999	158,945	8.3	66.4	4	150,869	7.0	55.5	-16.4
Cerebrovascular diseases	430-438	169,488	8.9	41.6	5	145,551	6.9	28.1	-32.5
Diseases of the digestive system	520-579	72,135	3.8	24.4	6	76,121	3.5	19.8	-18.9
Chronic liver diseases and cirrhosis	571	29,720	1.6	12.1		26,694	1.2	8.9	-26.4
Endocrine, nutritional, and metabolic diseases, and immunity disorders	240-279	43,788	2.3	13.0	7	62,686	2.5	15.2	+16.9
Diabetes mellitus	250	33,192	1.7	9.8		46,833	1.9	11.5	+17.3
Infective and parasitic diseases	001-139	15,360	0.8	5.0	8	52,851	2.2	16.3	+226.0
Human immunodeficiency virus infection	042-044	n.a.	n.a.	n.a.		22,082	0.8	8.6	n.a.
Diseases of the genitourinary system	580-629	27,453	1.4	7.2	9	39,292	1.9	7.7	+6.9
Diseases of the nervous system and sense organs	320-389	20,534	1.1	7.2	10	38,486	1.7	9.1	+26.4
Certain conditions originating in the perinatal period	760-779	23,448	1.2	10.5	11	18,752	0.8	7.3	-30.5
Congenital anomalies	740-759	13,526	0.7	6.0	12	12,897	0.6	4.9	-18.3
All other diseases	Residual	65,428	3.4	21.6		83,514	4.1	21.1	-2.3

^a Ninth Revision International Classification of Diseases, 1975 (ICD).^b Age-adjusted death rates per 100,000 population (1940 standard).

ERRATA FOR THE 1993 NIH DATA BOOK—
Table 47, page 86, contains 2 errors. "Malignant neoplasms, Female breast," 1989 death rate should be 23.0, and percentage change in death rates 1979-1989 should be +3.1%.

Source: Data from NCHS, CDC, HHS, prepared by NHLBI, NIH
(Continued)

Table 47 (Cont.)

**Mortality from Selected Causes, United States,
1979 and 1989**

Causes of death	Ninth ICD code ^a	By gender and race											
		1989 death rates ^b				1989 ranks				Percentage change in death rates 1979-1989			
		Males		Females		Males		Females		Males		Females	
		White	Black	White	Black	White	Black	White	Black	White	Black	White	Black
Total		644.2	1,032.2	374.9	585.6					-12.8	-3.8	-6.9	-3.2
Major cardiovascular diseases (excluding cerebrovascular)	390-429,439-448	219.4	289.6	113.8	185.8	1	1	1	1	-25.4	-13.2	-19.1	-9.5
Diseases of the heart	390-398,402,404-429	205.9	272.6	106.6	173.0					-25.6	-13.2	-18.8	-9.4
Atherosclerosis	440	3.4	3.3	2.6	2.9					-47.7	-50.7	-48.0	-45.3
Hypertension with or without renal disease	401,403	1.7	6.4	1.2	5.1					-10.5	+3.2	-7.7	-
Malignant neoplasms	140-208	157.2	230.6	110.7	130.9	2	2	2	2	-0.9	+4.0	+4.7	+4.6
Digestive organs and peritoneum	150-159	36.5	59.0	22.1	33.3					-8.8	-3.0	-13.3	-4.9
Respiratory and intrathoracic	160-165	57.4	84.6	25.8	25.4					+0.7	+7.5	+51.8	+46.0
Genital organs	179-187	14.9	31.3	11.7	16.0					+8.8	+10.6	-11.4	-17.9
Female breast	174	-	-	22.9	26.0					-	-	+2.2	+14.5
Diseases of the respiratory system	460-519	51.0	64.6	29.5	31.3	4	4	3	5	+12.1	+18.7	+56.9	+44.2
Pneumonia and influenza	480-487	16.9	27.9	10.3	13.8					+17.4	+15.3	+32.1	+26.6
Chronic obstructive pulmonary diseases and allied conditions	490-496	26.8	24.9	15.2	10.9					+7.2	+33.9	+90.0	+98.2
Supplementary classification of external causes of injury and poisoning	E800-E999	76.8	144.7	26.6	37.6	3	3	4	4	-18.2	-14.5	-16.1	-11.7
Cerebrovascular diseases	430-438	28.0	54.1	24.1	44.9	5	6	5	3	-34.7	-30.6	-32.9	-26.3
Diseases of the digestive system	520-579	23.9	40.8	13.9	22.6	6	7	6	7	-19.0	-22.9	-17.3	-19.0
Chronic liver diseases and cirrhosis	571	11.9	20.5	5.0	8.6					-23.7	-32.3	-28.6	-35.3
Endocrine, nutritional, and metabolic diseases, and immunity disorders	240-279	14.8	30.2	12.7	30.6	8	8	7	6	+18.4	+29.6	+13.4	+15.0
Diabetes mellitus	250	11.0	22.6	9.6	24.2					+18.3	+32.2	+15.7	+15.8
Infective and parasitic diseases	001-139	21.0	62.6	6.1	22.5	7	5	9	8	+303.8	+323.0	+79.4	+134.4
Human immunodeficiency virus infection	042-044	13.1	40.3	0.9	8.1					n.a.	n.a.	n.a.	n.a.
Diseases of the genitourinary system	580-629	7.9	22.6	5.6	16.7	10	9	10	9	-3.7	+12.4	+12.0	+21.9
Diseases of the nervous system and sense organs	320-389	10.8	12.8	7.5	8.6	9	11	8	11	+36.7	+0.8	+29.3	+16.2
Certain conditions originating in the perinatal period	760-779	6.1	18.7	4.9	15.9	11	10	11	10	-37.8	-18.0	-34.7	-15.9
Congenital anomalies	740-759	5.1	6.2	4.5	5.5	12	12	12	12	-20.3	-10.1	-16.7	-11.3
All other diseases	Residual	22.2	54.7	15.0	32.7					-6.3	-13.2	+2.0	-16.4

See footnotes on first page of table.

Table 48

Morbidity from Selected Acute Conditions, United States,^a 1991

Condition	Total Incidence (thousands)	Age-adjusted rates ^b					
		Cases per 100 persons per year				Days per 100 persons per year	
		Male	Female	White	Black	Restricted activity	Bed disability
Total	476,954	177.4	208.1	204.5	149.3	729.8	314.6
Infective and parasitic diseases	46,104	17.7	20.3	20.2	15.0	64.4	28.7
Common childhood diseases	4,520	2.1	1.7	1.9	1.9 ^c	11.6	4.1
Intestinal virus, unspecified	10,010	3.8	4.4	4.3	4.4	10.1	5.5
Viral infections, unspecified	15,294	5.4	7.0	6.6	5.1	20.7	10.0
Other	16,281	6.4	7.1	7.4	3.6	21.9	9.1
Respiratory conditions	250,214	93.2	109.7	107.8	72.7	342.6	168.2
Common cold	71,235	27.8	29.9	29.4	24.2	71.3	25.4
Other acute upper respiratory infections	29,221	10.5	13.3	13.1	7.3	31.6	13.1
Influenza	129,583	48.1	56.9	56.5	35.0	186.1	101.8
Bronchitis	11,161	3.7	5.3	5.0	2.7	22.5	9.5
Pneumonia	4,146	1.4	1.8	1.7	1.6 ^c	22.0	13.4
Other respiratory conditions	4,868	1.6	2.3	2.1	1.9 ^c	9.1	5.0
Digestive system conditions	16,451	5.8	7.5	6.7	7.4	26.5	13.4
Dental conditions	3,447	1.4	1.4	1.4	1.7 ^c	5.5	2.6
Indigestion, nausea, and vomiting	7,135	2.4	3.5	2.9	4.2	5.5	3.0
Other digestive conditions	5,869	2.1	2.6	2.5	1.6 ^c	15.5	7.8

^a National estimates based on household interviews of the civilian noninstitutionalized population. Excludes conditions requiring neither medical attention nor any restriction of activity.

^b Age-adjusted incidence and disability rates per 100 persons per year (standard is 1980 civilian noninstitutionalized population of the United States).

^c Estimate has a relative standard error greater than 30 percent and is therefore considered unreliable.

Source: Derived from published data from NCHS, CDC, HHS
(Continued)

Table 48 (Cont.)

Morbidity from Selected Acute Conditions, United States,^a 1991

Condition	Total Incidence (thousands)	Age-adjusted rates ^b					
		Cases per 100 persons per year				Days per 100 persons per year	
		Male	Female	White	Black	Restricted activity	Bed disability
Injuries	59,717	26.7	21.6	25.0	21.0	133.3	38.8
Fractures and dislocations	7,505	3.3	2.8	3.3	1.7	38.6	10.5
Sprains and strains	13,470	6.1	4.7	5.3	5.7 ^c	36.1	7.9
Open wounds and lacerations	11,799	6.3	3.3	5.1	3.8	11.3	3.8
Contusions and superficial injuries	11,717	4.9	4.6	5.0	3.2	18.2	5.3
Other current injuries	15,225	6.1	6.1	6.3	6.6	29.2	11.3
Selected other conditions	74,928	24.5	35.2	32.5	22.0	113.7	44.8
Eye conditions	2,881	1.0	1.3	1.3	0.4 ^c	1.9 ^c	0.2 ^c
Ear infections	25,577	10.3	10.2	12.0	5.5	23.7	9.3
Other ear conditions	4,341	2.0	1.5	2.0	0.9 ^c	1.9 ^c	1.0 ^c
Urinary conditions	8,606	1.2	5.4	3.5	2.8	9.5	4.6
Disorders of menstruation	1,392	—	1.1	0.5	0.8 ^c	1.6 ^c	0.9 ^c
Other disorders of female genital tract	2,797	—	2.1	1.2	0.8 ^c	4.8	1.3 ^c
Delivery and other conditions of pregnancy and puerperium	3,949	—	3.0	1.5	1.4 ^c	25.1	9.8
Skin conditions	4,781	1.9	2.0	2.1	1.6 ^c	5.5	3.3
Musculoskeletal conditions	9,986	3.6	4.2	3.9	4.1	26.5	7.7
Headache, excluding migraine	3,286	1.2	1.5	1.3	1.9 ^c	5.2	1.9 ^c
Fever, unspecified	7,332	3.3	2.7	3.4	1.6 ^c	7.9	4.8
All other conditions	29,539	9.5	13.9	12.2	11.3	49.3	20.5

See footnotes on first page of table.

Table 49

**Morbidity from Selected Chronic Conditions,
United States,^a 1991**

Condition	Number of cases (thousands)	Age-adjusted prevalence rates ^b			
		Male	Female	White	Black
Selected conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems					
Goiter or other disorders of the thyroid	3,672	3.5	24.3	15.5	7.4
Diabetes	7,222	27.2	29.3	26.5	44.8
Anemias	3,549	4.8	23.1	13.1	22.0
Epilepsy	1,431	6.4	5.1	5.7	7.6
Migraine headache	9,539	22.8	53.8	40.8	24.3
Neuralgia or neuritis, unspecified	441	1.3 ^c	2.0	1.7	0.5 ^c
Kidney trouble	3,147	9.5	15.3	12.6	11.9
Bladder disorders	3,770	4.9	24.1	15.5	13.4
Diseases of the prostate	1,792	15.5	—	7.1	5.3 ^c
Diseases of the female genital organs	4,852	—	38.6	20.6	15.9
Selected circulatory conditions					
Rheumatic fever with or without heart disease	2,195	4.7	12.7	9.0	8.2
Heart disease	20,537	80.1	80.6	82.0	76.4
Ischemic heart disease	7,372	38.1	20.3	29.7	20.2
Heart rhythm disorders	8,333	24.5	40.4	33.4	33.8
Tachycardia or rapid heart	2,097	5.2	10.8	8.3	8.4
Heart murmurs	4,516	13.6	22.4	18.3	19.8
Other and unspecified heart rhythm disorders	1,718	5.7	7.2	6.8	5.6 ^c
Other selected diseases of heart (excludes hypertension)	4,832	17.5	19.9	18.9	22.5
High blood pressure (hypertension)	27,800	102.6	113.8	104.2	158.9
Cerebrovascular disease	2,856	10.7	11.1	10.6	15.1
Hardening of the arteries	1,876	7.6	6.7	7.5	5.2 ^c
Varicose veins of lower extremities	7,939	12.8	48.4	34.0	17.0
Hemorrhoids	9,296	33.9	40.2	39.5	25.6

^a National estimates based on household interviews of the civilian noninstitutionalized population. Excludes cancer and mental illness.

^b Age-adjusted prevalence rates per 1,000 persons (standard is 1980 civilian noninstitutionalized population of the United States).

^c Estimate has a relative standard error of greater than 30 percent and is therefore considered unreliable.

Source: Derived from published data from NCHS, CDC, HHS
(Continued)

Table 49 (Cont.)

**Morbidity from Selected Chronic Conditions,
United States,^a 1991**

Condition	Number of cases (thousands)	Age-adjusted prevalence rates ^b			
		Male	Female	White	Black
Selected respiratory conditions					
Chronic bronchitis	12,549	42.8	57.9	53.0	40.9
Asthma	11,735	47.1	47.2	46.6	54.6
Hay fever or allergic rhinitis without asthma	24,248	94.1	101.6	103.0	66.1
Chronic sinusitis	32,168	110.1	147.6	134.1	123.2
Deviated nasal septum	1,514	7.7	4.6	6.8	1.6 ^c
Chronic disease of tonsils or adenoids	2,764	9.8	12.4	12.3	7.3
Emphysema	1,646	9.2	4.1	6.8	3.3 ^c
Selected skin and musculoskeletal conditions					
Arthritis	31,150	97.7	141.1	122.8	120.4
Gout, including gouty arthritis	2,139	11.9	5.4	8.2	12.9
Intervertebral disc disorders	4,973	23.3	17.0	21.7	12.3
Bone spur or tendinitis, unspecified	2,460	8.6	10.9	10.9	2.8 ^c
Disorders of bone or cartilage	1,663	4.4	8.2	7.1	3.1 ^c
Trouble with bunions	2,674	3.2	17.1	10.8	9.3
Bursitis, unclassified	4,492	15.7	20.2	19.0	14.1
Sebaceous skin cyst	1,159	4.8	4.6	5.1	2.8 ^c
Trouble with acne	5,068	18.3	22.8	21.2	13.1
Psoriasis	2,334	10.2	8.6	10.2	3.3 ^c
Dermatitis	8,974	28.1	44.0	36.7	27.2
Trouble with dry (itching) skin, unclassified	4,930	18.4	21.1	19.5	20.7
Trouble with ingrown nails	5,908	22.0	24.5	24.4	21.8
Trouble with corns and calluses	4,819	13.6	23.7	17.9	28.2

See footnotes on first page of table.

(Continued)

Table 49 (Cont.)

**Morbidity from Selected Chronic Conditions,
United States,^a 1991**

Condition	Number of cases (thousands)	Age-adjusted prevalence rates ^b			
		Male	Female	White	Black
Impairments					
Visual impairment	7,989	41.5	22.4	32.1	33.6
Color blindness	2,450	18.0	2.3	10.8	5.6
Cataracts	6,587	19.5	28.4	24.9	23.8
Glaucoma	2,580	9.5	9.8	9.5	14.5
Hearing impairment	22,680	106.0	73.0	92.3	60.6
Tinnitus	6,490	29.0	22.7	25.7	24.2
Speech impairment	2,789	14.6	7.9	10.3	18.5
Absence of extremities (excludes tips of fingers or toes only)	1,472	10.2	2.1	5.9	5.2 ^c
Paralysis of extremities, complete or partial	1,256	5.8	4.1	4.9	6.1
Deformity or orthopedic impairment	28,725	115.0	114.6	120.6	90.4
Back	17,697	68.9	73.0	76.1	41.2
Upper extremities	3,459	16.2	11.6	14.0	15.2
Lower extremities	10,882	44.2	42.3	44.2	47.1
Selected digestive conditions					
Ulcer	3,721	15.4	14.5	15.2	15.3
Hernia of abdominal cavity	4,888	19.5	18.9	20.6	10.6
Gastritis or duodenitis	2,937	8.8	14.4	12.0	10.6
Frequent indigestion	5,722	24.5	21.3	23.7	22.7
Enteritis or colitis	2,217	6.6	10.6	9.6	2.3 ^c
Spastic colon	1,702	2.5	11.0	7.8	2.0 ^c
Diverticula of intestines	1,841	5.5	8.4	7.6	3.3 ^c
Frequent constipation	4,609	10.7	24.6	17.8	22.4

See footnotes on first page of table.

Table 50

**Numbers of Newly Reported Cases of AIDS and Numbers of Deaths of Adults
and Adolescents, United States, by Exposure Category, 1983-1992^a**

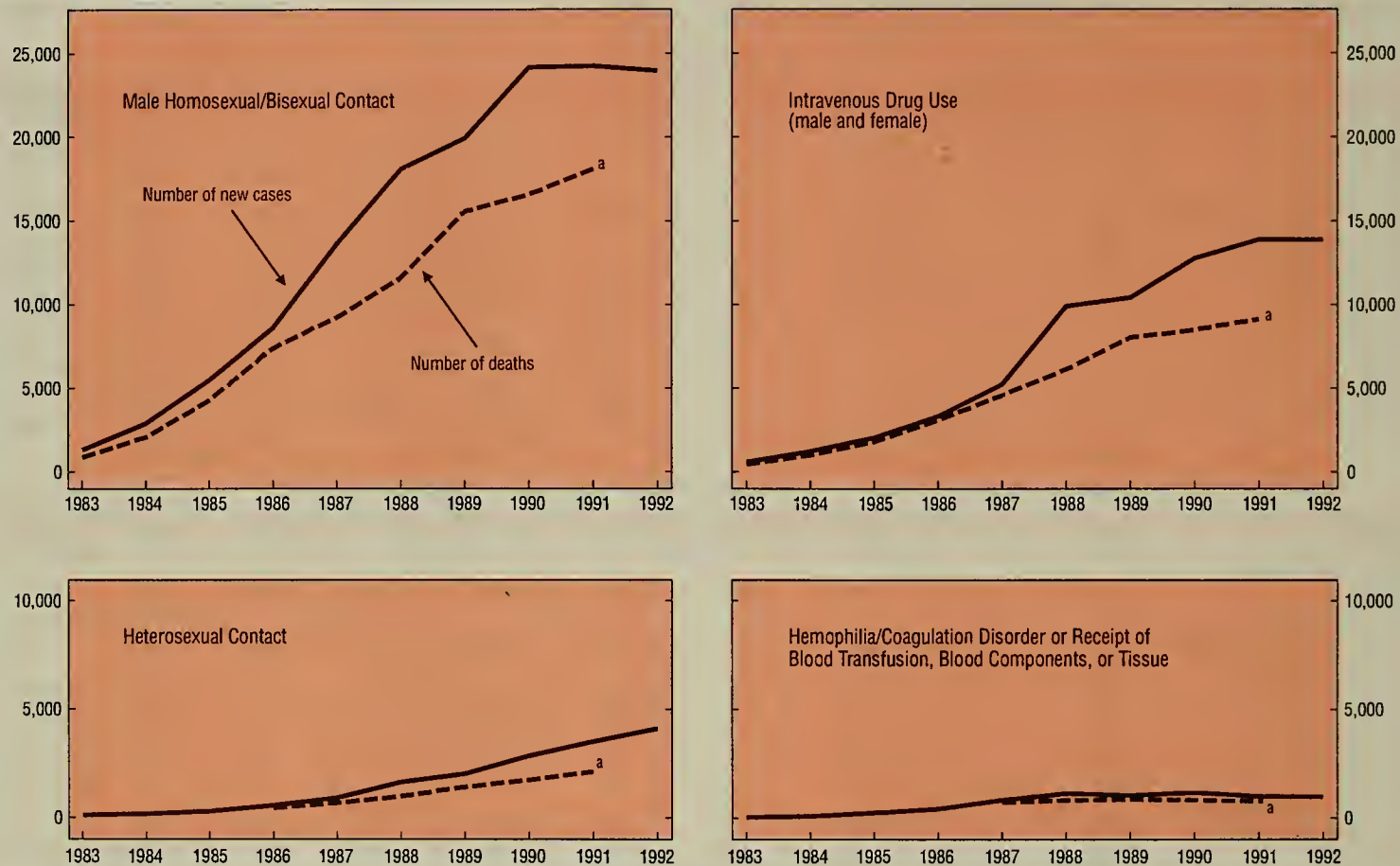
Exposure category	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992 ^a
NEW CASES										
Total	2,066	4,462	8,179	13,077	20,952	31,403	34,477	42,596	44,832	46,335
Male homosexual/bisexual contact	1,288	2,890	5,469	8,579	13,590	18,064	19,926	24,148	24,216	23,936
Intravenous (IV) drug use (female and heterosexual male)	373	799	1,425	2,297	3,650	7,663	8,110	10,215	11,314	11,425
Male homosexual/bisexual contact & IV drug use	205	422	613	1,002	1,574	2,216	2,292	2,524	2,551	2,429
Heterosexual contact	111	172	289	564	916	1,640	2,028	2,851	3,512	4,114
Hemophilia/coagulation disorder	11	39	74	123	207	299	292	342	316	316
Receipt of blood transfusion, blood components, or tissue	26	49	171	300	626	839	758	839	695	673
Undetermined	52	91	138	212	389	682	1,071	1,677	2,228	3,442
DEATHS										
Total	1,458	3,372	6,706	11,649	15,568	20,043	26,763	28,683	31,381	23,176
Male homosexual/bisexual contact	862	2,074	4,272	7,389	9,196	11,577	15,560	16,560	18,077	13,533
Intravenous (IV) drug use (female and heterosexual male)	291	665	1,269	2,191	3,396	4,768	6,384	6,739	7,328	4,968
Male homosexual/bisexual contact & IV drug use	141	331	520	887	1,185	1,336	1,629	1,720	1,785	1,313
Heterosexual contact	94	129	248	441	683	975	1,418	1,738	2,118	1,725
Hemophilia/coagulation disorder	9	27	77	108	159	195	224	252	232	170
Receipt of blood transfusion, blood components, or tissue	21	67	196	374	554	635	639	582	548	351
Undetermined	40	79	124	259	395	557	909	1,092	1,293	1,116

^a Due to lag time in reporting, 1992 numbers of deaths are substantially incomplete.

Source: Centers for Disease Control and Prevention

Figure 50.1

Numbers of Newly Reported Cases of AIDS and Numbers of Deaths of Adults and Adolescents,
United States, by Exposure Category, 1983–1992^a



^a Due to lag time in reporting, 1992 numbers of deaths are substantially incomplete.

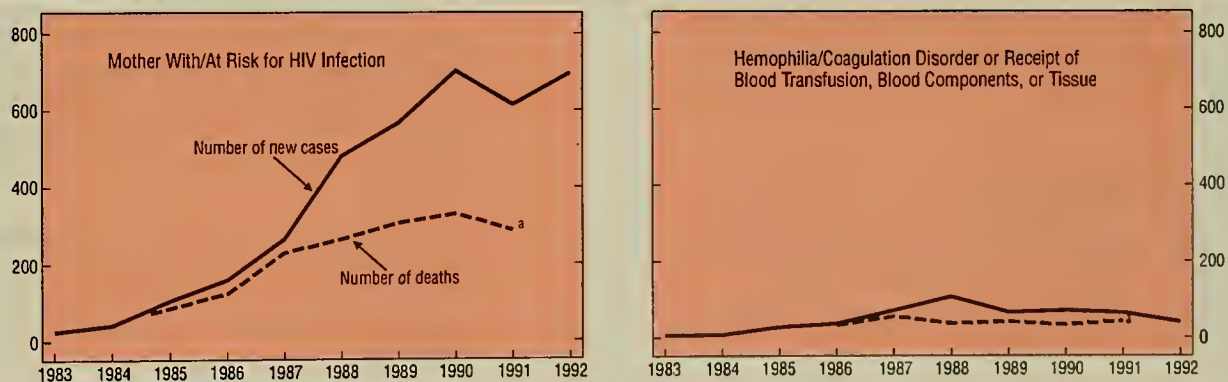
Table 51

**Numbers of Newly Reported Cases of Pediatric AIDS and Numbers of Deaths
of Children Under 13, United States, by Exposure Category, 1983–1992^a**

Exposure category	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992 ^a
NEW CASES										
Total	33	50	132	197	335	596	642	788	692	771
Mother with/at risk for HIV infection	25	42	105	159	265	481	567	702	614	697
Hemophilia/coagulation disorder	1	2	7	11	21	41	26	32	25	21
Receipt of blood transfusion, blood components, or tissue	5	5	20	25	49	65	39	38	39	19
Undetermined	2	1	–	2	–	9	10	16	14	34
DEATHS										
Total	29	48	114	156	286	307	353	377	334	235
Mother with/at risk for HIV infection	24	37	86	123	229	264	306	330	287	209
Hemophilia/coagulation disorder	1	2	5	11	16	13	19	12	15	11
Receipt of blood transfusion, blood components, or tissue	4	7	22	21	39	24	22	21	28	11
Undetermined	–	2	1	1	2	6	6	14	4	4

Figure 51.1

**Numbers of Newly Reported Cases of Pediatric AIDS and Numbers of Deaths of Children Under 13,
United States, by Exposure Category, 1983–1992^a**



^a Due to lag time in reporting, 1992 deaths are substantially incomplete.

Technical Notes

The *NIH Data Book* (Basic Data Relating to the National Institutes of Health) has been published annually since 1961. The book is prepared within the Office of Strategic Planning and Evaluation, Office of Science Policy and Technology Transfer, Office of the Director. Additional copies of the current issue are available at NIH Information offices.

Rounding error: Detail may not add to totals because of rounding and, where noted, because of data included in totals only.

Revisions: Historical data are often revised.

Supplemental awards: Unless noted, supplemental awards are only counted when the parent award is from prior years' funds, and such supplements, if multiple, are counted as one.

Research training: Training totals, which include all NIH components, are greater than NIH National Research Service Award (NRSA) totals, as the National Library of Medicine does not use the NRSA to support training.

Sources of the data: Data are derived from NIH records and studies unless otherwise noted. OSPE develops the data on national and Federal support for health R&D from annual surveys and other sources. Sources of other information are:

- NIH awards and number of appointments in NIH training programs—Information Systems Branch, DRG;
- NIH obligations, appropriations, and number of full-time-equivalent training positions—Division of Financial Management, OD OA;
- NIH obligations for international programs—Fogarty International Center;

- CRADAs, patents, and licenses—NIH Office of Technology Transfer, OSPTT;
- NIH personnel—Division of Personnel Management, OD OA;
- Prevention—NIH Division of Disease Prevention;
- Nutrition—NIH Division of Nutrition Research Coordination;
- AIDS: numbers of U.S. AIDS cases and numbers of deaths—Centers for Disease Control and Prevention; and
- Morbidity and mortality statistics—NCHS, with adjustments by NIH.

New NIH components:

- The Health Research Extension Act of 1985 (P.L. 99-158) created a new National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), which was formally established on April 8, 1986. P.L. 99-158 designated the remaining components of the former National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases (NIADDK) as the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). The new institutes are shown in obligations tables starting with FY 1986. In trend tables of awards, NIAMS and NIDDK have been projected back to the beginning of the trend period based on the NIADDK programs that were allocated to each new institute.
- P.L. 99-158 also created another new NIH component, at first called the National Center for Nursing Research (NCNR). It appears in trend tables starting in FY 1986 as well. In June of 1993, NCNR was reorganized and renamed the National Institute of Nursing Research (NINR).

(Continued)

Technical Notes (Cont.)

- The National Institute on Deafness and other Communication Disorders (NIDCD) was created by P.L. 100-553, which was signed into law on October 28, 1988. At that time, the former National Institute of Neurological and Communicative Disorders and Stroke (NINCDS) became the National Institute of Neurological Disorders and Stroke (NINDS). NIDCD and NINDS appear in obligations and appropriations tables starting in FY 1989. In trend tables of awards, NINDS has been projected back to the beginning of the trend period.
- The National Center for Human Genome Research (NCHGR) and the National Center for Research Resources (NCRR) were administratively established in FY 1990. NCRR replaces the old Division of Research Resources (DRR) and Division of Research Services (DRS).
- The ADAMHA Reorganization Act of 1992 (P.L. 102-321) resulted in the reorganization of the Alcohol, Drug Abuse, and Mental Health Administration into the Substance Abuse and Mental Health Services Administration (SAMHSA) and the transfer of its three research institutes into NIH. The bill was passed in July 1992 and took effect in November. The three institutes transferred are the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute on Drug Abuse (NIDA), and the National Institute of Mental Health (NIMH). They appear in trend tables as part of NIH beginning in FY 1993, but wherever possible, data have been shown for them in earlier years as well, so that consistent series are available.

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Definitions

Appropriations—represent an authorization by an act of Congress that permits Federal agencies to incur obligations and to make payments out of the Treasury for specified purposes. An appropriation usually follows enactment of authorizing legislation. Appropriations do not represent cash actually set aside in the Treasury for purposes specified in the appropriation act; they represent limitations of amounts that agencies may obligate during the period of time specified in the respective appropriation acts.

Awards—include R&D grants, contracts, and cooperative agreements, research training grants and fellowships, construction grants, medical library resource grants, and international training grants in epidemiology. See also "Extramural Obligations vs. Awards Reporting."

Biotechnology—1985 definition—any technique that uses living organisms (or parts of organisms) to make or modify products, to improve plants or animals, or to develop microorganisms for specific uses. It includes research involving genetic manipulation, cloning of DNA, use of special techniques to isolate and detect DNA, creation of hybridomas and production of monoclonal antibodies, and computer methods used to analyze DNA and protein sequences. It also includes broad-ranging research in genetics, molecular biology, cell biology, and immunology which underlies new biotechnology.

Biotechnology—1991 definition developed by the OSTP Federal Coordinating Council for Science, Engineering and Technology (FCCSET) Committee on Life Sciences and Health—Biotechnology is broadly defined to include any technique that uses living organisms (or parts of organisms) to make or modify products, to improve plants or animals, or to develop microorganisms for specific use. The development of materials that mimic molecular structures or functions of living systems is included. These data are limited to **research** directed toward biotechnology, and further to "new biotechnology,"

i.e., involving recombinant DNA, DNA transfer techniques, macromolecular structure, cell fusion, bioprocessing, etc.

Cooperative R&D Agreement—an agreement between a Federal laboratory and one or more collaborators (usually private corporations, but may also be State and local governments and nonprofit institutions), who for a designated period of time provide personnel, services, intellectual property, or information toward a joint research project. As an incentive for participation, the collaborating party may be granted, in advance, an exclusive right to license any resulting invention. The purpose of the CRADA is to make Federal facilities, scientific know-how, and existing intellectual property available for collaborative interactions with industry scientists, and for development of scientific and technological knowledge into useful, marketable products.

Extramural Obligations vs. Awards Reporting—differences between NIH extramural "obligations" and "awards" are caused by differences in the treatment of certain items (cancer control, scientific evaluation, administering vs. funding ICD, etc.) in the accounting methods used. In obligations tables, cancer control is separately identified; in awards tables, it is integrated within various mechanisms. This category accounts for the largest dollar difference between the two. Obligations tables include scientific evaluation grants/agreements, while awards tables do not. In obligations tables, ICD data are shown under the ICD which received the appropriation; in awards tables, the data are presented under the ICD with the administering responsibility. In obligations tables, FIC international fellowships are classified as research; in awards tables, they are included under training. Obligations tables include NIH interagency agreements (amounts appropriated to NIH but transferred to other Federal agencies for administration), and exclude funds appropriated to other agencies and transferred to NIH for administration. Conversely, awards tables include funds appropriated to other agencies but transferred to and administered by NIH, and exclude NIH interagency agreements.

(Continued)

Definitions (Cont.)

Health R&D—denotes biomedical, health services and other health-related R&D projects, resources, and general support, but no training or construction. In health R&D series (Tables 1–4), the NIH component contains certain items not classified as research in obligations tables, such as cancer control, portions of NLM and NIH direct operations, and foreign currency funds not directly appropriated to NIH.

Obligations—represent amounts of orders placed, grants, contracts, and cooperative agreements awarded, services received, and similar transactions during a given period that will require payments during the same or a future period; unless otherwise specified, includes both intramural and extramural activities.

Prevention—includes both prevention research and prevention-relevant research. The former is research directly applicable to interventions to prevent disease or to halt the progression of detectable but asymptomatic disease. The latter is research to understand the chain of causation of acute and chronic diseases, and therefore includes relevant basic research efforts.

R&D Contracts—include both intramural and extramural “N01” contracts and SBIR contracts. For NLM, not all contracts support activities that are strictly research.

Research Grants—include research project grants, center grants, and “other research” grants. See Table 32 for classifications. Note that cooperative agreements (U awards) are included under all three of these categories, and that RCPAs (K awards) are included under “other research.” Where NIH has been legislatively mandated to support a required number of “research grants,” this refers to the total of new, competing continuation, and competing supplemental *research project grants*.

Research Management and Support—includes management of extramural programs, ODs of ICDs, and some management costs applicable to overall operations.

Scientific Evaluation Grants/Agreements—are grants and cooperative agreements to chairmen of initial review groups, program project committees, training committees, and other review groups to provide funds for the operation of the group. These awards are included in obligations tables, but are excluded from awards tables.

Success Rates—number of competing project grants awarded as a percentage of the sum of the number of applications reviewed and the number of funded carryovers.

NIH Activity Codes Used in Extramural Programs^a

Code	Code
C 06 Research Facilities Construction Grant	K 04 Modified Research Career Development Award
D 42 Hazardous Waste Worker Health and Safety Training Grant (NIEHS)	K 05 Research Scientist Award
D 43 International Training Grant in Epidemiology (FIC)	K 06 Research Career Award
F 05 International Fellowship (FIC)	K 07 Academic/Teacher Award
F 06 Senior International Fellowship (FIC)	K 08 Clinical Investigator Award
F 07 NIH-French Program for Scientific Collaboration Appointment (FIC)	K 10 Special Scientific Project Award (NLM)
F 15 Fogarty Scholars-in-Residence Program Appointment (FIC)	K 11 Physician Scientist Award (Individual)
F 20 Foreign Funded Fellowship (FIC)	K 12 Physician Scientist Award (Program)
F 30 Predoctoral Individual National Research Service Award for MD/PhD	K 14 Minority School Faculty Development Award
F 31 Predoctoral Individual National Research Service Award	K 15 Dentist Scientist Award (Individual)
F 32 Postdoctoral Individual National Research Service Award	K 16 Dentist Scientist Award (Program)
F 33 National Research Service Award for Senior Fellows	K 20 Scientist Development Award for Clinicians
F 34 MARC (NRSA) Faculty Fellowship	K 21 Scientist Development Award
F 35 Intramural NRSA Individual Postdoctoral Program Appointment	M 01 General Clinical Research Center Award (NCRR)
F 36 MARC Visiting Scientists Fellowship (NIGMS)	N 01 Research and Development Contract
F 37 Postdoctoral Medical Informatics Fellowship (NLM)	N 43 Small Business Innovation Research—Phase I (Contract)
F 38 Senior Medical Informatics Fellowship (NLM)	N 44 Small Business Innovation Research—Phase II (Contract)
G 07 Resources Improvement Grant (NLM)	P 01 Research Program Project Award
G 08 Resources Project Grant (NLM)	P 20 Exploratory Grant
G 12 Research Centers in Minority Institutions Award (NCRR)	P 30 Center Core Grant
G 20 Grant for Repair, Renovation, and Modernization of Existing Research Facilities (NCRR)	P 40 Animal and Biological Materials Resource Grant (NCRR)
K 01 Research Scientist Development Award—Research and Training	P 41 Biotechnology Resource Grant
K 02 Research Scientist Development Award—Research	P 42 Hazardous Substances Basic Research Grant (NIEHS)
	P 50 Specialized Center Award
	P 51 Primate Research Center Grant (NCRR)

^a Represents NIH activity codes of the NIH IMPAC System (Information for Management, Planning, Analysis, and Coordination). Some activity codes are specific to only one ICD.

NIH Activity Codes Used in Extramural Programs^a (Cont.)

Code		Code	
P 60	Comprehensive Center Award	S 14	Minority Biomedical Research Support Grant for Undergraduate Colleges
R 01	Research Project Award (Traditional)	S 15	Small Instrumentation Grant
R 03	Small Research Grant	T 14	Conference Award
R 10	Cooperative Clinical Research Grant	T 15	Continuing Education Training Program Award
R 13	Conference Award (Traditional)	T 22	Institutional Research Fellowship
R 15	Academic Research Enhancement Award	T 32	Institutional National Research Service Award
R 18	Research Demonstration and Dissemination Project Award	T 34	MARC Undergraduate NRSA Institutional Grant
R 21	Exploratory/Developmental Grant	T 35	NRSA Short-Term Research Training Award
R 22	U.S.-Japan Cooperative Medical Science Program Award	T 36	MARC Visiting Professors for Minority Institutions Grant
R 23	New Investigator Research Award	U 01	Research Project Cooperative Agreement
R 24	Resource-Related Research Project Grant	U 09	Scientific Review and Evaluation Cooperative Agreement
R 25	Education Project Award	U 10	Cooperative Clinical Research Cooperative Agreement
R 26	National Organ Systems Project Award (NCI)	U 18	Research Demonstration Cooperative Agreement
R 29	First Independent Research Support and Transition (FIRST) Award	U 24	Resource-Related Research Project Cooperative Agreement (NCRR)
R 35	Outstanding Investigator Grant	U 26	Organ Systems Coordinating Center Cooperative Agreement (NCI)
R 37	Method to Extend Research in Time (MERIT) Award	U 40	Animal Resource Cooperative Agreement (NCRR)
R 43	Small Business Innovation Research Grant (SBIR)—Phase I	U 41	Biotechnology Resource Cooperative Agreement (NCRR)
R 44	Small Business Innovation Research Grant (SBIR)—Phase II	U 42	Animal and Biological Materials Resource Cooperative Agreement (NCRR) (replaces U 40)
R 55	Shannon Director's Award	U 45	Hazardous Waste Worker Health and Safety Training Cooperative Agreement (NIEHS) (replaces D 42)
S 03	Minority High School Student Research Apprentice Program Award (NCRR)	U 50	Specialized Center Cooperative Agreement
S 06	Minority Biomedical Research Support Award	U 54	Specialized Center Cooperative Agreement (replaces U 50)
S 07	Biomedical Research Support Grant (NCRR)		
S 10	Biomedical Research Support Shared Instrumentation Grant (NCRR)		
S 11	Minority Biomedical Research Support Thematic Project Grant Code		

See footnote on previous page.

Abbreviations

A & S—Arts and Sciences	FTTP—Full-Time-Equivalent Training Positions (research training)
ADAMHA—Alcohol, Drug Abuse, and Mental Health Administration ^a	FY—Fiscal Year: October 1–September 30
AHCPR—Agency for Health Care Policy and Research	GNP—Gross National Product
AID—Agency for International Development	GRS—General Research Support grants
AIDS—Acquired Immunodeficiency Syndrome	HCFA—Health Care Financing Administration
BRD—Biomedical Research Development grants	HHMI—Howard Hughes Medical Institute
BRDPI—Biomedical R&D Price Index	HHS—Department of Health and Human Services
BRS—Biomedical Research Support grants	HIV—Human Immunodeficiency Virus
CC—Clinical Center	HRSA—Health Resources and Services Administration
CDC—Centers for Disease Control and Prevention	ICD—International Classification of Diseases
CRADAs—Cooperative R&D Agreements	ICDs—Institutes, Centers, and Divisions
DCRT—Division of Computer Research & Technology	IHS—Indian Health Service
DRG—Division of Research Grants	IMPAC—Information for Management, Planning, Analysis, and Coordination
DRR—Division of Research Resources ^a	MARC—Minority Access to Research Careers
DRS—Division of Research Services ^a	MBS—Minority Biomedical Support grants
FCCSET—Federal Coordinating Council for Science, Engineering and Technology, OSTP	MSTP—Medical Scientist Training Program
FDA—Food and Drug Administration	n.a.—not available
FFRDC—Federally Funded R&D Center	NCHGR—National Center for Human Genome Research
FIC—John E. Fogarty International Center for Advanced Study in the Health Sciences	NCHS—National Center for Health Statistics
FTE—Full-Time Equivalent (personnel)	NCI—National Cancer Institute
	NCNR—National Center for Nursing Research ^a

^a No longer exists due to reorganization.

(Continued)

Abbreviations (Cont.)

NCCR—National Center for Research Resources	NINR—National Institute of Nursing Research
NEI—National Eye Institute	NLM—National Library of Medicine
NHLBI—National Heart, Lung, and Blood Institute	NRSAs—National Research Service Awards
NIA—National Institute on Aging	NSF—National Science Foundation
NIAAA—National Institute on Alcohol Abuse and Alcoholism	OA—Office of Administration, NIH
NIADDK—National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases ^a	OD—Office of the Director, NIH or ICD
NIAID—National Institute of Allergy and Infectious Diseases	OMB—Office of Management and Budget (White House)
NIAMS—National Institute of Arthritis and Musculoskeletal and Skin Diseases	ORS—Office of Research Services, NIH
NICHD—National Institute of Child Health and Human Development	OSPE—Office of Strategic Planning and Evaluation, OSPTT (formerly Division of Planning and Evaluation, OSPL)
NIDA—National Institute on Drug Abuse	OSPTT—Office of Science Policy and Technology Transfer (formerly Office of Science Policy and Legislation), NIH
NIDCD—National Institute on Deafness and Other Communication Disorders	OSTP—Office of Science and Technology Policy of the Executive Office of the President
NIDDK—National Institute of Diabetes and Digestive and Kidney Diseases	PHS—Public Health Service
NIDR—National Institute of Dental Research	R&D—Research and Development
NIEHS—National Institute of Environmental Health Sciences	RCMIs—Research Centers in Minority Institutions awards
NIGMS—National Institute of General Medical Sciences	RCPAs—Research Career Program Awards
NIH—National Institutes of Health	SAMHSA—Substance Abuse and Mental Health Services Administration
NIMH—National Institute of Mental Health	SBIR—Small Business Innovation Research
NINCDS—National Institute of Neurological and Communicative Disorders and Stroke ^a	
NINDS—National Institute of Neurological Disorders and Stroke	

See footnote on first page of table.

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**NIH Biomedical Research and Development Price Index
(BRDPI), Fiscal Years 1983-1993**

(Weight Base = Fiscal Year 1988)

Fiscal year	1983 =100	1984 =100	1985 =100	1986 =100	1987 =100	1988 =100	1989 =100	1990 =100	1991 =100	1992 =100	1993 =100
1983	100.00	94.49	89.91	86.31	81.93	78.00	74.12	70.29	66.95	63.83	61.26
1984	105.83	100.00	95.15	91.34	86.71	82.55	78.44	74.39	70.85	67.55	64.83
1985	111.22	105.09	100.00	95.99	91.13	86.75	82.43	78.18	74.46	70.99	68.13
1986	115.86	109.48	104.18	100.00	94.93	90.37	85.87	81.44	77.57	73.96	70.98
1987	122.05	115.33	109.74	105.34	100.00	95.20	90.46	85.79	81.71	77.90	74.77
1988	128.20	121.14	115.27	110.65	105.04	100.00	95.02	90.12	85.83	81.83	78.54
1989	134.92	127.49	121.31	116.45	110.55	105.24	100.00	94.84	90.33	86.12	82.66
1990	142.26	134.42	127.91	122.78	116.56	110.96	105.44	100.00	95.25	90.81	87.15
1991	149.36	141.13	134.30	128.91	122.38	116.50	110.70	104.99	100.00	95.34	91.50
1992	156.66	148.04	140.86	135.22	128.36	122.20	116.11	110.13	104.89	100.00	95.98
1993 ^a	163.23	154.24	146.77	140.88	133.74	127.32	120.98	114.74	109.29	104.19	100.00

^a Projected. Index numbers for FY 1993 are based on OMB projections of the Implicit Price Deflator for the GNP, and the historical relationship between it and the BRDPI.

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